CFD-570

SERVICE MANUAL

US Model
Canadian Model

- The CFD-570 is almost the same as the model CFD-755/765 previously product.
- This service manual contains only the points which differ from CFD-755 for exploded views, and from CFD-765 for diagrams. For the information not contained in this manual, please refer to the CFD-755/765 service manual (9-956-651-12).
- For adjustments, please refer to CFD-755.

SPECIFICATIONS

Speaker Full range:
10cm (4 inches) dia, cone type

CD RADIO CASSETTE-CORDER

SONY®

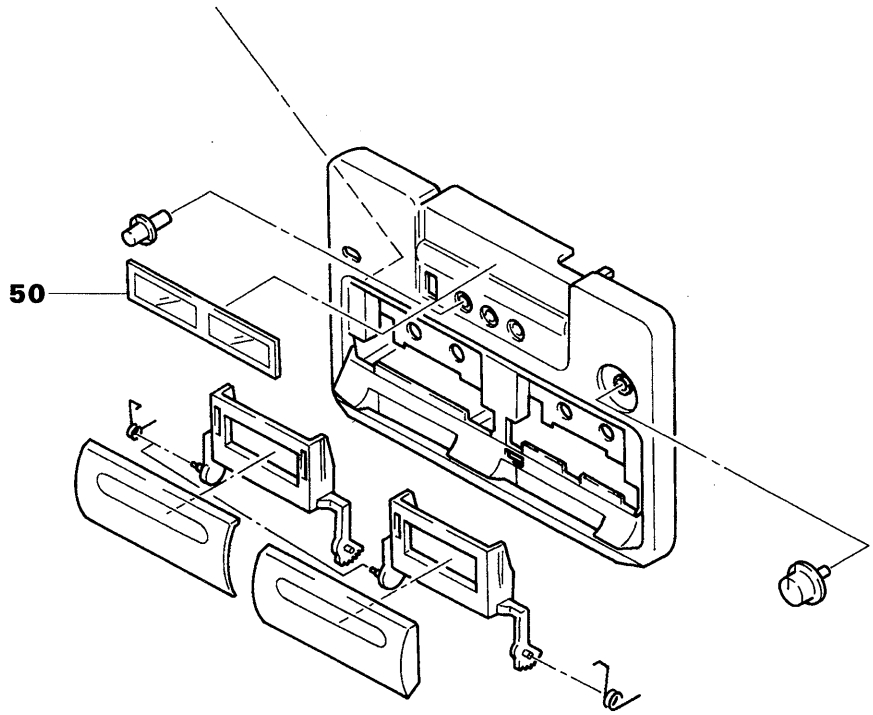
• Differences between CFD-755 and CFD-570 in exploded views

Page	Ref. No.	CFD-755		CFD-570	
49	3	X-3363-005-1	LID ASSY (46U-B), CASSETTE	X-3367-119-1	CASSETTE LID (B) ASSY
49	4	X-3363-006-1	LID ASSY (46U-A), CASSETTE	X-3367-117-1	CASSETTE LID (A) ASSY
49	6	X-3363-004-1	CABINET (FRONT) ASSY (45)	X-3366-903-1	CABINET (FRONT) ASSY (22)
49	*28	A-3275-053-A	MAIN BOARD, COMPLETE (US)	A-3264-590-A	MAIN BOARD, COMPLETE
49	40	4-938-718-01	BUTTON (SPACE SOUND)	————	
49	45	3-322-316-01	BRACKET, REC LEVER	————	
49	46	3-322-317-01	LEVER, REC	————	
49	*49	A-3275-054-A	TU CONTROL BOARD, COMPLETE	A-3264-589-A	TU CONTROL BOARD, COMPLETE
49	*50	————		3-368-272-11	WINDOW, LCD
50	*55	A-3275-052-A	CD CONTROL BOARD, COMPLETE	A-3264-041-A	CD CONTROL BOARD, COMPLETE
50	*64	A-3261-617-A	CD MAIN BOARD, COMPLETE	A-3264-040-A	CD MAIN BOARD, COMPLETE
51	106	3-368-124-11	CABINET (REAR)	3-368-124-51 3-368-124-71	CABINET (REAR) (Canadian) CABINET (REAR) (US)
51	*115	3-362-352-02	PLATE, BLIND, HANDLE	3-362-352-11	PLATE, BLIND, HANDLE
51	ANT1	1-501-480-11	ANTENNA, TELESCOPIC	1-501-542-11	ANTENNA, TELESCOPIC
52	*153	1-635-273-11 1-635-274-11	SP TERMINAL (R) BOARD SP TERMINAL (L) BOARD	————	
52	155	X-3362-963-1 X-3362-964-1	SP (FRONT) (R) ASSY (R channel) SP (FRONT) (L) ASSY (L channel)	X-3366-902-1	CABINET (FRONT) ASSY, SP
52	156	4-938-705-01	DUCT, SP	3-904-250-01	DUCT, SP
52	*157	4-938-706-01	COVER, SP	————	
52	SP1-1	1-503-867-21	SPEAKER	————	
52	SP2-1	1-503-867-21	SPEAKER	————	
52	SP1-2	1-544-345-11	SPEAKER	1-504-351-11	SPEAKER (10CM)
52	SP2-2	1-544-345-11	SPEAKER	1-504-351-11	SPEAKER (10CM)
55	354	4-928-996-01	LEVER, SW	4-928-996-11	LEVER, SW

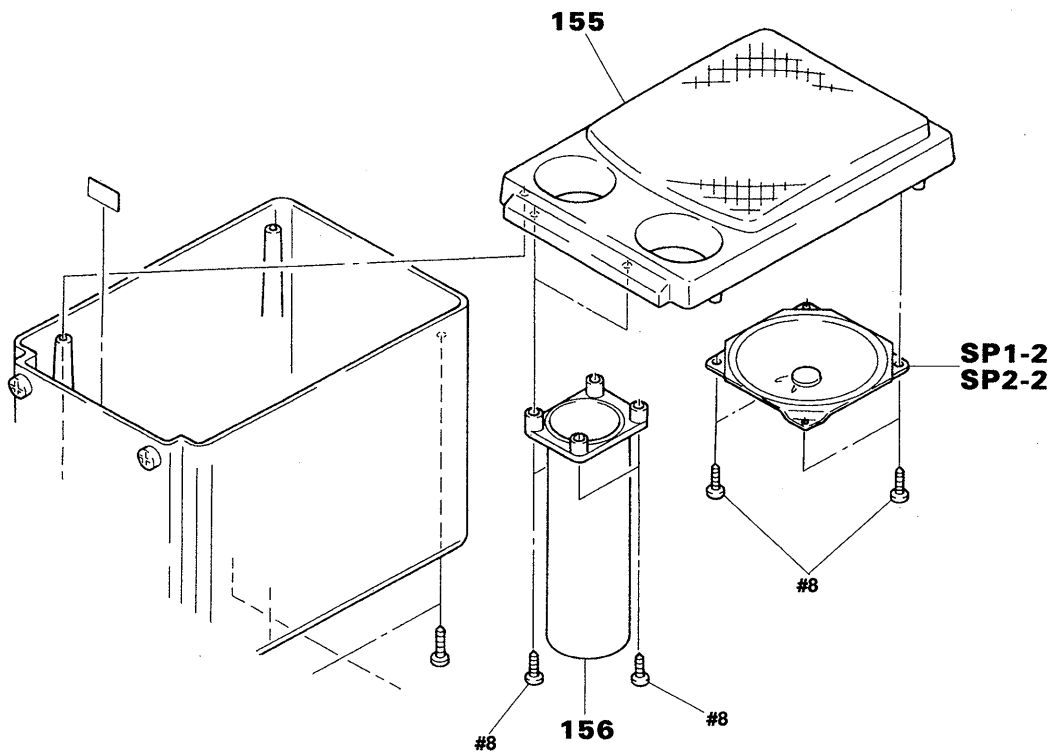
Note:

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

CABINET SECTION



SPEAKER BOX SECTION



•Modification of the difference of circuit parts

Ref. No.	CFD-765	CFD-570
	* 1-635-270-11 BATTERY (C) BOARD 4-938-730-01 SPRING (A), BATTERY	* 1-635-270-11 BATTERY (C) BOARD 4-938-730-11 SPRING (A), BATTERY
	* 1-635-271-11 BATTERY (D) BOARD 4-938-730-01 SPRING (A), BATTERY	* 1-635-271-11 BATTERY (D) BOARD 4-938-730-11 SPRING (A), BATTERY
IC801	* A-3275-052-A CD CONTROL BOARD, COMPLETE 8-752-819-99 IC CXP5078-065Q	* A-3264-041-A CD CONTROL BOARD, COMPLETE 8-752-831-45 IC CXP5078-068Q
	* A-3261-617-A CD MAIN BOARD, COMPLETE	* A-3264-040-A CD MAIN BOARD, COMPLETE
C733	1-124-902-00 ELECT 0.47uF 20% 50V	1-124-925-11 ELECT 2.2uF 20% 50V
C758	————	1-162-851-11 CERAMIC 0.1uF 16V
C775	————	1-161-379-00 CERAMIC 0.01uF 20% 25V
C796	————	1-162-294-31 CERAMIC 0.001uF 10% 50V
R707	1-247-885-00 CARBON 180K 5% 1/4W	1-249-438-11 CARBON 56K 5% 1/4W
R762	1-249-429-11 CARBON 10K 5% 1/4W	1-249-431-11 CARBON 15K 5% 1/4W
	* 1-639-243-11 CD MOTOR BOARD, COMPLETE	* 1-639-243-11 CD MOTOR BOARD, COMPLETE
CN706	* ————	* 1-566-003-11 PIN, CONNECTOR (PC BOARD) 6P
CN717	* 1-566-003-11 PIN, CONNECTOR (PC BOARD) 6P	————
	* A-3275-056-A MAIN BOARD, COMPLETE (US) * A-3275-058-A MAIN BOARD, COMPLETE (Canadian)	* A-3264-590-A MAIN BOARD, COMPLETE
C102	1-162-292-31 CERAMIC 680PF 10% 50V	1-162-290-31 CERAMIC 470PF 10% 50V
C114	1-162-293-31 CERAMIC 820PF 10% 50V	1-162-292-31 CERAMIC 680PF 10% 50V
C202	1-162-292-31 CERAMIC 680PF 10% 50V	1-162-290-31 CERAMIC 470PF 10% 50V

Ref. No.	CFD-765	CFD-570
C214	1-162-293-31 CERAMIC 820PF 10% 50V	1-162-292-31 CERAMIC 680PF 10% 50V
C381	1-162-294-31 CERAMIC 0.001uF 10% 50V	1-161-379-00 CERAMIC 0.01uF 20% 25V
C390	————	1-162-282-31 CERAMIC 100PF 10% 50V
C391	————	1-162-282-31 CERAMIC 100PF 10% 50V
C392	————	1-124-477-11 ELECT 47uF 20% 25V
C393	————	1-162-282-31 CERAMIC 100PF 10% 50V
C394	————	1-162-282-31 CERAMIC 100PF 10% 50V
C395	————	1-162-282-31 CERAMIC 100PF 10% 50V
C396	————	1-162-282-31 CERAMIC 100PF 10% 50V
CN303	* 1-566-214-11 PIN, CONNECTOR (PC BOARD) 2P	————
Q102	8-729-806-30 TRANSISTOR 2SC4048	————
Q202	8-729-806-30 TRANSISTOR 2SC4048	————
Q356	8-729-806-30 TRANSISTOR 2SC4048	————
R109	1-249-397-11 CARBON 22 5% 1/4W	————
R209	1-249-397-11 CARBON 22 5% 1/4W	————
R240	1-249-438-11 CARBON 56K 5% 1/4W	1-249-435-11 CARBON 33K 5% 1/4W
R342	1-249-427-11 CARBON 6.8K 5% 1/4W	————
R400	————	1-249-425-11 CARBON 4.7K 5% 1/4W
S304	1-572-620-11 SWITCH, PUSH (1 KEY) (SPACE SOUND)	————
	* 1-630-400-21 MD BOARD (DECK B)	————
	————	* 1-635-712-12 MD LEAF SW (B) BOARD (DECK B)
CN502A	————	* 1-566-001-11 PIN, CONNECTOR (PC BOARD) 4P
S504A	————	1-571-890-11 SWITCH (PLAY)
S505A	————	1-571-330-21 SWITCH (POWER)

Ref. No.	CFD-765	CFD-570
	* 1-635-272-11 POWER BOARD	* 1-635-272-11 POWER BOARD
J901	⚠ 1-526-818-11 INLET, AC	⚠ 1-540-009-11 INLET, AC
	* 1-635-274-11 SP TERMINAL (L) BOARD	————
	* 1-635-273-11 SP TERMINAL (R) BOARD	————
	* A-3275-057-A TU CONTROL BOARD, COMPLETE	* A-3264-589-A TU CONTROL BOARD, COMPLETE
C531	————	1-161-379-00 CERAMIC 0.01uF 20% 25V
D351	8-719-948-75 DIODE SLR-34VR70F165	————
	ACCESSORIES & PACKING MATERIALS	
	⚠ 1-557-287-11 CORD, POWER	⚠ 1-690-952-21 CORD, POWER
	* 3-368-283-01 CUSHON (LOWER)	* 2-383-059-01 CUSHON (LOWER)
	* 3-368-284-01 CUSHON (INNER)	————
	* 3-368-285-01 CUSHON (UPPER)	* 3-383-058-02 CUSHON (UPPER)
	* 3-369-791-11 INDIVIDUAL CARTON (755)	* 3-906-212-01 INDIVIDUAL CARTON
	3-753-216-21 MANUAL, INSTRUCTION (ENGLISH) (US, Canadian)	3-757-236-21 MANUAL, INSTRUCTION (ENGLISH) (US)
	3-753-216-32 MANUAL, INSTRUCTION (ENGLISH, FRENCH) (Canadian)	3-757-236-31 MANUAL, INSTRUCTION (FRENCH) (Canadian)
	3-753-216-51 MANUAL, INSTRUCTION (SPANISH) (E)	
	————	3-376-442-01 SPACER

Note:

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

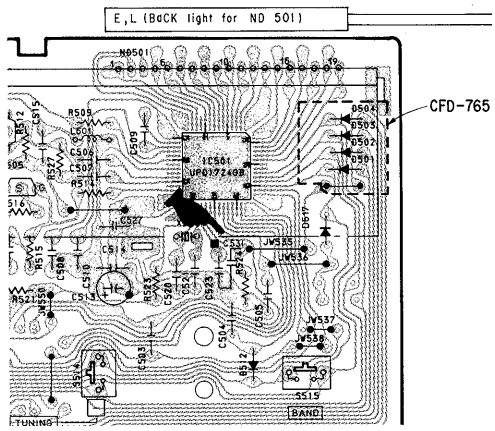
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les components identifiés parune marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par unepièc portant le numéro spéccifié.

SECTION 1
DIAGRAMS

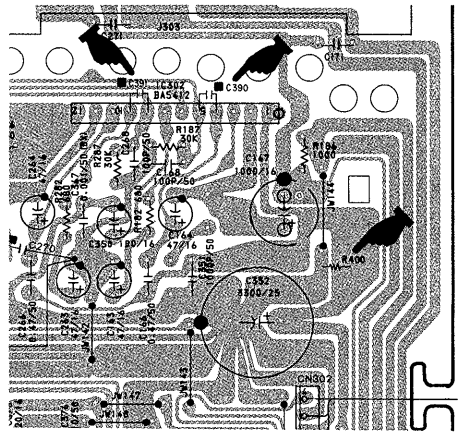
☛ :Added portion

PRINTED WIRING BOARDS—MAIN SECTION—
(SERVICE MANUAL See page 27~30)

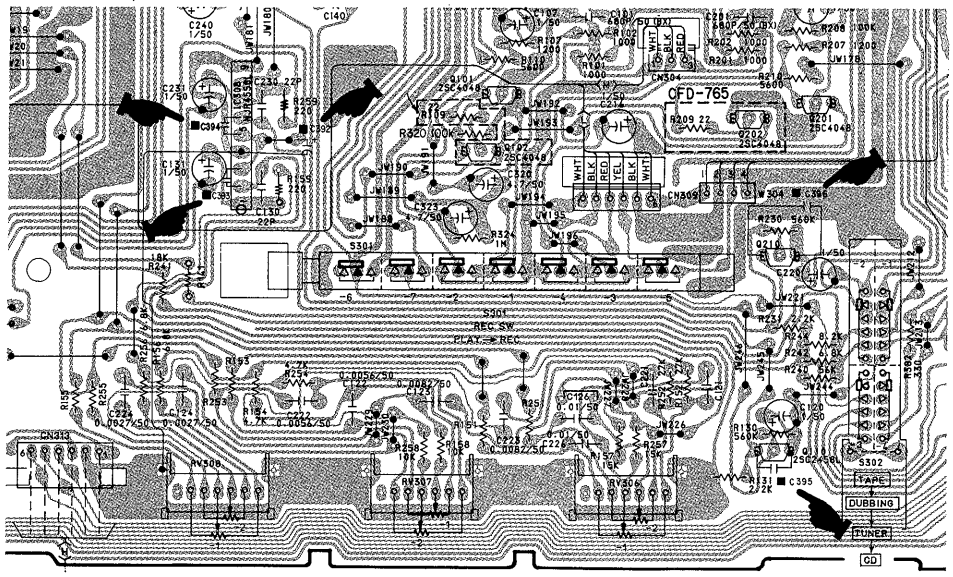
【TU CONTROL BOARD】
(Location H-6)



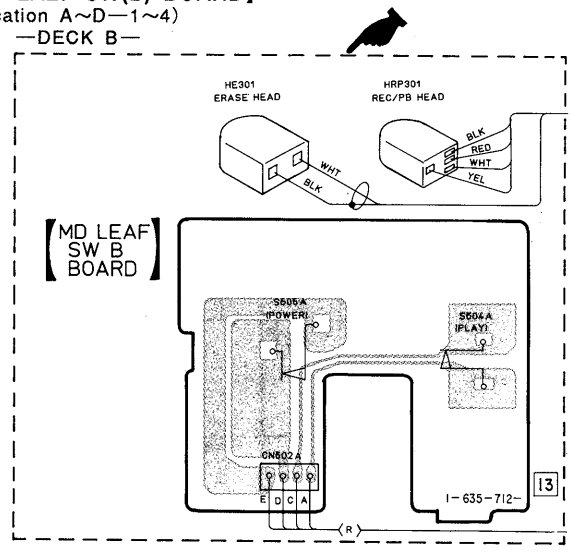
【MAIN BOARD】
(Location B, C-20, 21)



【MAIN BOARD】
(Location G~I—14~17)

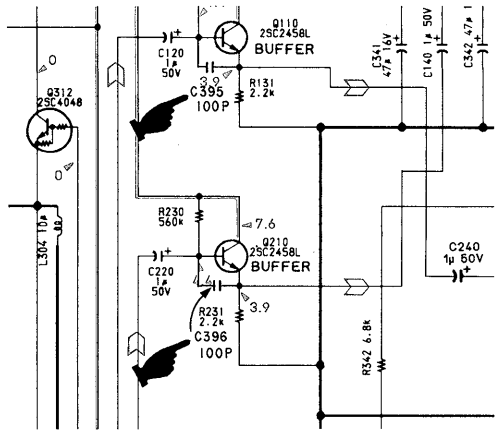


【MD LAEF SW(B) BOARD】
(Location A~D—1~4)
—DECK B—



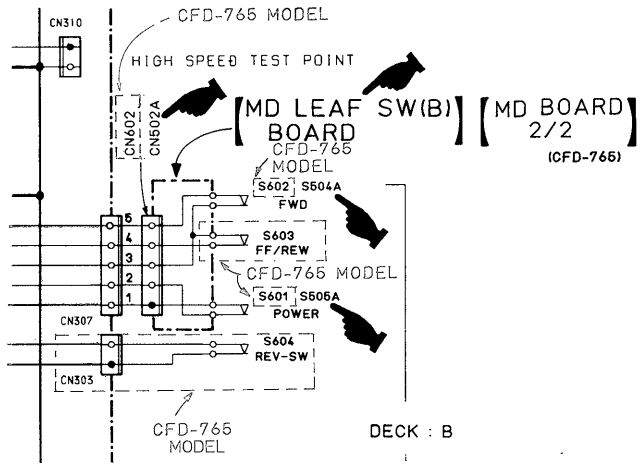
SCHEMATIC DIAGRAM—MAIN SECTION—
(SERVICE MANUAL See page 31~34)

[MAIN BOARD]
(Location C, D—7)



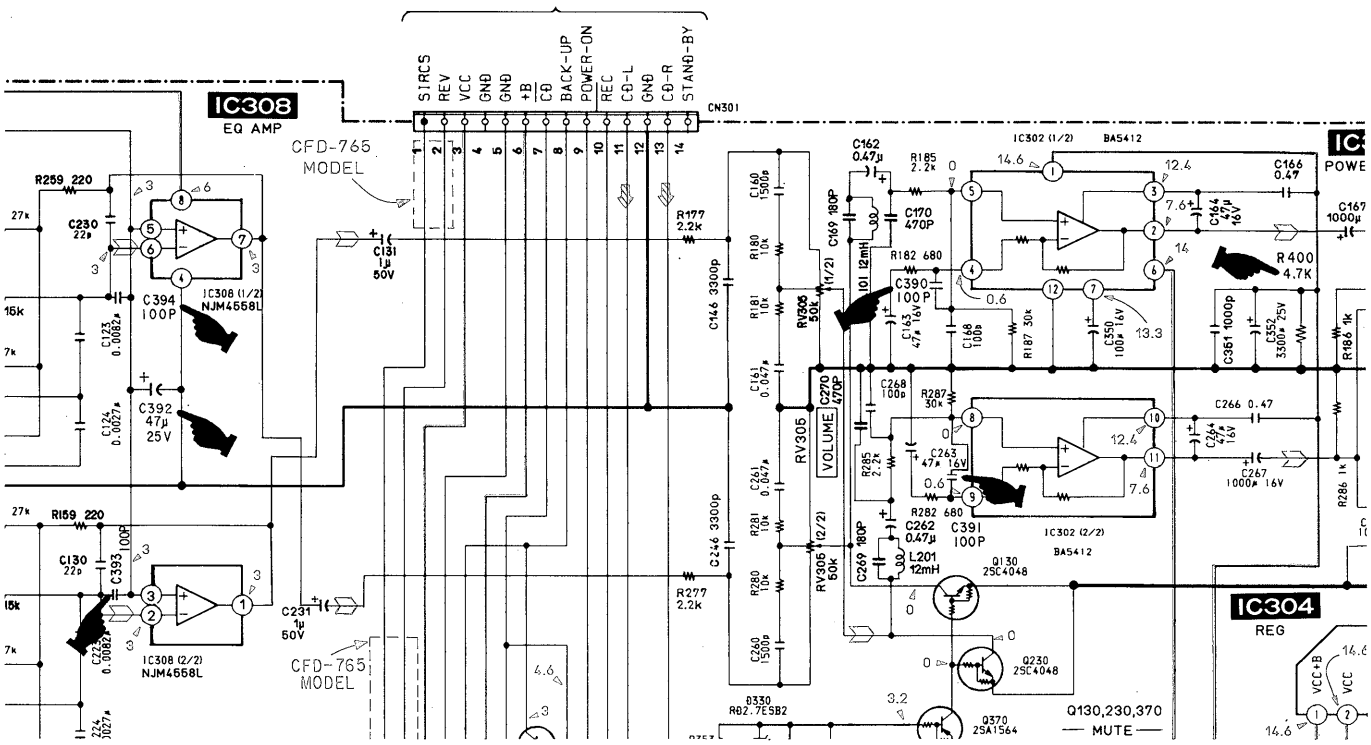
C395	1-162-282-31	CERAMIC	100P	10%	50V
C396	1-162-282-31	CERAMIC	100P	10%	50V

[MD LAEF SW (B) BOARD]
(Location J, K—20, 21)



	*1-635-712-12	MD LEAF SW (B) BOARD (DECK B)	
CN502A	*1-566-001-11	PIN, CONNECTOR (PC BOARD) 4P	
S504A	1-571-890-11	SWITCH (PLAY)	
S505A	1-571-330-21	SWITCH (POWER)	

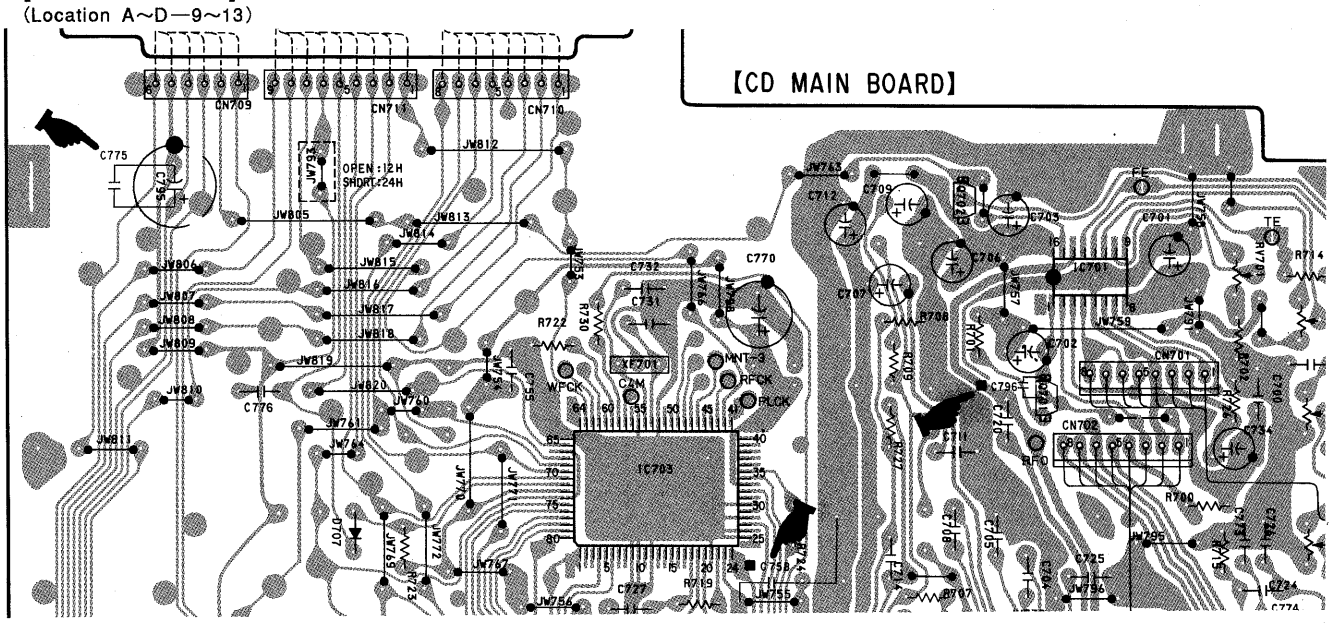
[MAIN BOARD]
(Location B~D—13~19)



C390	1-162-282-31	CERAMIC	100%	10%	50V
C391	1-162-282-31	CERAMIC	100%	10%	50V
C392	1-124-477-11	ELECT	47uF	20%	25V
C393	1-162-282-31	CERAMIC	100PF	10%	50V
C394	1-162-282-31	CERAMIC	100PF	10%	50V
R400	1-249-425-11	CARBON	4.7K	5%	1/4W

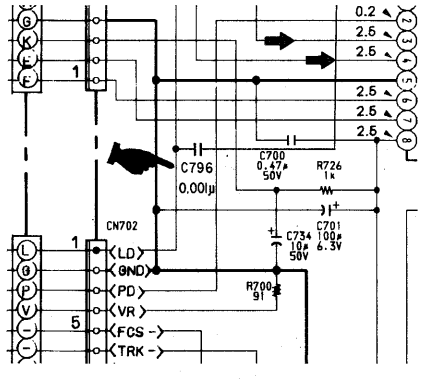
PRINTED WIRING BOARDS—CD SECTION—
(SERVICE MANUAL See page 39~41)

【CD MAIN BOARD】
(Location A~D—9~13)

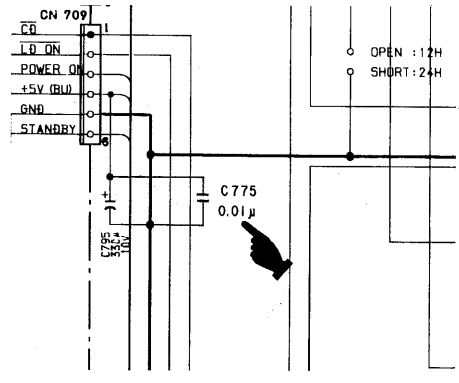


SCHEMATIC DIAGRAM—CD SECTION—
(SERVICE MANUAL See page 36~38)

【CD MAIN BOARD】
(Location H-4)



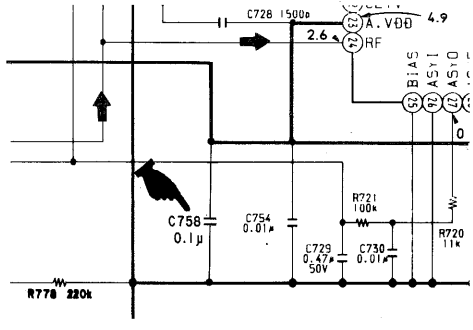
【CD MAIN BOARD】
(Location E-11)



C796 1-162-294-31 CERAMIC 0.001uF 10% 50V

C775 1-161-379-00 CERAMIC 0.01uF 2% 25V

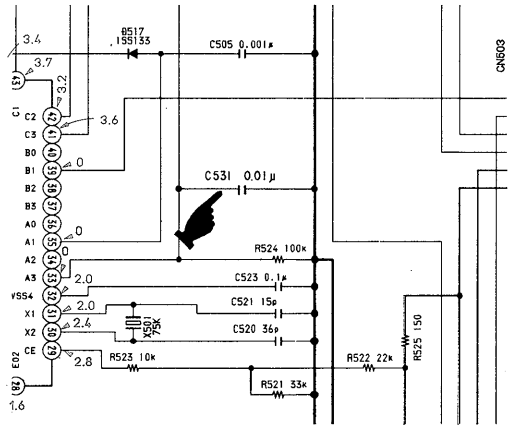
【CD MAIN BOARD】
(Location I-15)



C758 1-162-851-11 CERAMIC 0.1uF 16V

SCHEMATIC DIAGRAM—TUNER SECTION—
(SERVICE MANUAL See page 43, 44)

【TU CONTROL BOARD】
(Location G-6)



C531 1-161-379-00 CERAMIC 0.01uF 20% 25V

93F1832-1
Printed in Japan

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Published by Audio Sector Quality Assurance Dept.

CFD-755/765

SERVICE MANUAL

Ver 1.1 2002.03

Photo: CFD-755

US Model
Canadian Model
CFD-755/765
E Model
CFD-755

MEGA BASS

Model Name Using Similar Mechanism		CD Section	CFD-775
		Tape Section	CFD-750 CFD-760
Optical Device Name		KSM-2101BAN	
Tape Transport Mechanism Type	CFD-755	DECK A: MF-D750PB-64 DECK B: MF-D750RP-64	
	CFD-765	DECK A: MF-D750PB-64 DECK B: MF-D760RP-63	

SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 6-ohm loads, both channels driven from 500-10,000Hz: rated 2W per channel-minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

CD player section

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wavelength 780nm Emission duration: Continuous Laser output: Less than 44.6μW * *This output is the value measured at a distance of about 200mm from the objective lens surface on the optical pick-up block.
Spindle speed	200 r.p.m. to 500 r.p.m. (CLV)
Error correction	Sony Super Strategy Cross Interleave Read Solomon Code
Number of channels	2
Frequency response	20—20,000Hz $^{+0}_{-2}$ dB
Wow and flutter	Below measurable limit

Radio section

Frequency range	FM: 87.5—108MHz AM: 530—1,710kHz
Antennas	FM: Telescopic antenna AM: Built-in ferrite bar antenna

Tape recorder section and general

Recording system	4-track 2-channel stereo
Fast winding time	Approx. 2 min, with Sony cassette C60
Frequency response	• Total with TYPE 1 (NORMAL) cassette: 80—10,000Hz • Playback with TYPE 1 (NORMAL) cassette: 60—12,000Hz
Speaker	Two-way speakers: Full-range: 10cm dia., cone type Woofer: 8cm dia.
Power output	Model for Canada Two-way speakers: 6W + 6W (at 3.2 ohms, 315Hz, 10% harmonic distortion)
Inputs	Mixing microphone input jack (minijack) Sensitivity 2.5mV For low impedance microphone
Outputs	Headphones jack (stereo minijack) For 16—68 ohms impedance headphones

— Continued on next page —

CD RADIO CASSETTE-CORDER

9-956-651-13
2002C0200-1
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Sony Corporation
Personal Audio Company
Published by Sony Engineering Corporation

SONY

Power requirements	120V AC, 60HZ DC 15V, 10 size D (R20) batteries for CD radio cassette-corder DC 4.5V, 3 size AA (R6) batteries for clock/timer/memory
Power consumption	25W
Battery life	Batteries for CD radio cassette-corder

	Recording	Playback	CD playing
Sony SUM-1 (NS)	approx. 9H	approx. 4H	approx. 1.5H
Sony Alkaline AM1(N)	approx. 16H	approx. 8H	approx. 4H

Dimensions	696 × 255 × 236mm (w/h/d) ($27^1/_2 \times 10^1/_8 \times 9^3/_8$ inches) not incl. projecting parts and controls
Weight	Approx. 9.4kg, incl. batteries (Approx. 20 lb 12 oz)
Supplied accessory	AC power cord (1) Remote commander (1) (for CFD-765 only)

Design and specifications subject to change without notice.

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTE

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

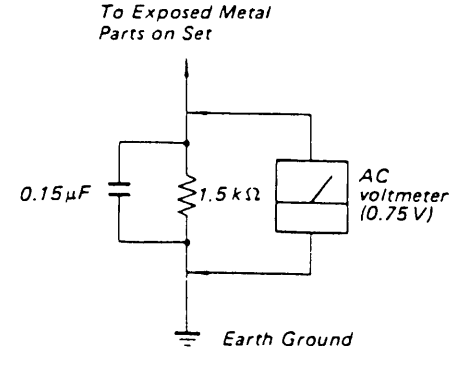


Fig. A. Using an AC voltmeter to check AC leakage.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also, use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

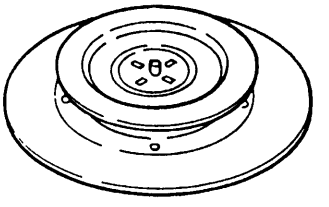
NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25cm away from the objective lens.

CHUCK PLATE JIG ON REPAIRING

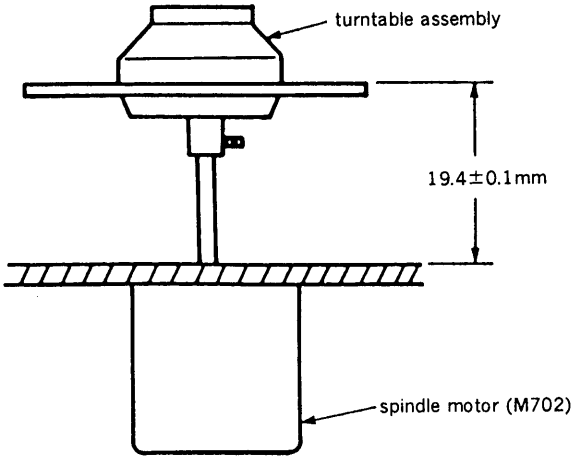
On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

- Code number of Chuck Plate Jig : X-4918-255-1



NOTE ON REPAIRING

The spindle motor (M702) and the turntable assembly are individually supplied as repair parts.
When repairing M702, please order the turntable assembly together.
Dimension is as follows.



SECTION 2
GENERAL

This section is extracted from instruction manual.

2-1. FEATURES

8-times over-sampling and digital filter
Signal process frequency of 8 times the reference frequency means playback with less distortion.

Dual D/A conversion system
High-fidelity playback with less phase shift is accomplished by the dual converter which works for the left and right channels independently.

Back-lighted display
Clear display makes it easy to distinguish the displayed indications at a glance in a dark place or at night.

Memory preset tuning
A total of 20 stations can be stored in any order.

High quality sound
- The Sony MEGA BASS system produces a powerful bass.
- By pressing the SPACE SOUND button, depth and spaciousness can be added to the original sound.

A high performance, high fidelity CD player with many functions
- An 8 cm (3-inch) CD can be played without using an adaptor.
- Repeat function allows playing either the entire disc or a single selection.
- Program play for playing selections in the order desired.
- Shuffle play for playing selections repeatedly in random order.
- A synchronized CD starting system for recording.
- An automatic editing function—The CD player automatically edits the selections on a CD depending on the tape length.

Digital clock timer
- You can listen to CD, radio or a taped program (for CFD-765 only) at a preset time.
- You can record CD or radio programs at a preset time. (for CFD-765 only)

Others
- High or normal speed tape dubbing
- CFD-765 is supplied with a remote commander.

2-2. PRECAUTIONS

On safety
- Operate the unit only on 120V AC or 15V DC.
  For AC operation, use the AC power cord supplied; do not use any other type.
  For battery operation, use ten size D (R20) batteries.
- Unplug the unit from the wall outlet when it is not to be used for an extended period of time.
- When the internal batteries are not to be used, remove them to avoid damage caused by battery leakage and corrosion.
- As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the unit, unplug the unit, and have it checked by qualified personnel before operating it any further.

On installation
- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- If the unit is left in a car parked in the sun, be sure to choose a location in the car where the unit will not be subject to the direct rays of the sun.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the proper operation of the unit and to prolong the life of its components.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or springwound watches away from the unit to prevent possible damage from the magnet.

On operation
- If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the CD player section. Should this occur, the player will not operate properly. In this case, remove the disc and wait about an hour for the moisture to evaporate.
- If the unit has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.
- The use of cassettes longer than 90 minutes is not recommended except for long continuous recording or playback.

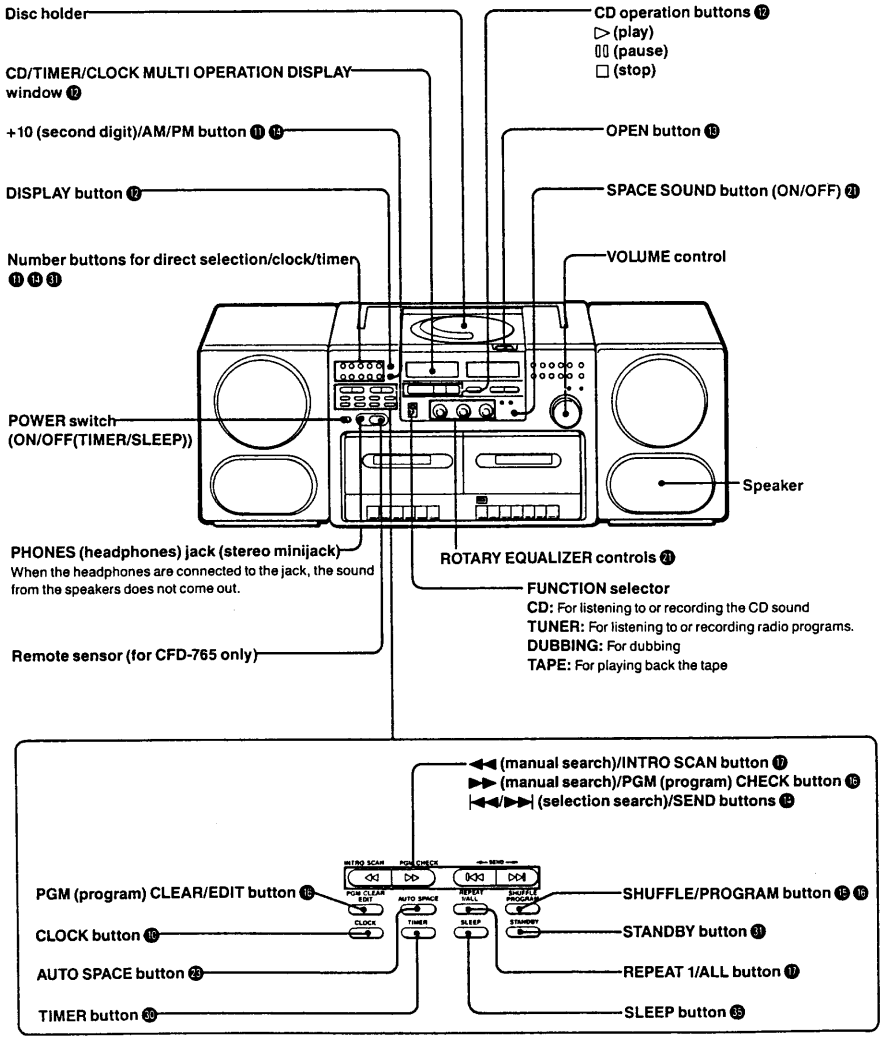
Whether you are going to operate the unit on AC power or on batteries, make sure to insert three size AA (R6) batteries for the clock/timer/memory functions.

- **If a cassette cannot be removed**
  If the power was accidentally cut off (for example, the AC power cord was disconnected, the batteries fell out or an interruption of the main power source occurred) after ▶, REC or HI-SPEED DUB was pressed, it may not be possible to eject the cassette. In this case, supply power to the unit again and then press ■ ⏏ to remove the cassette.
- **If the cassette holder cannot be closed firmly**
  Press ■ ⏏ to remove the cassette and reinsert it into the holder. Do not attempt to play back or record when the cassette holder is not firmly closed. Otherwise, the cassette may be damaged.

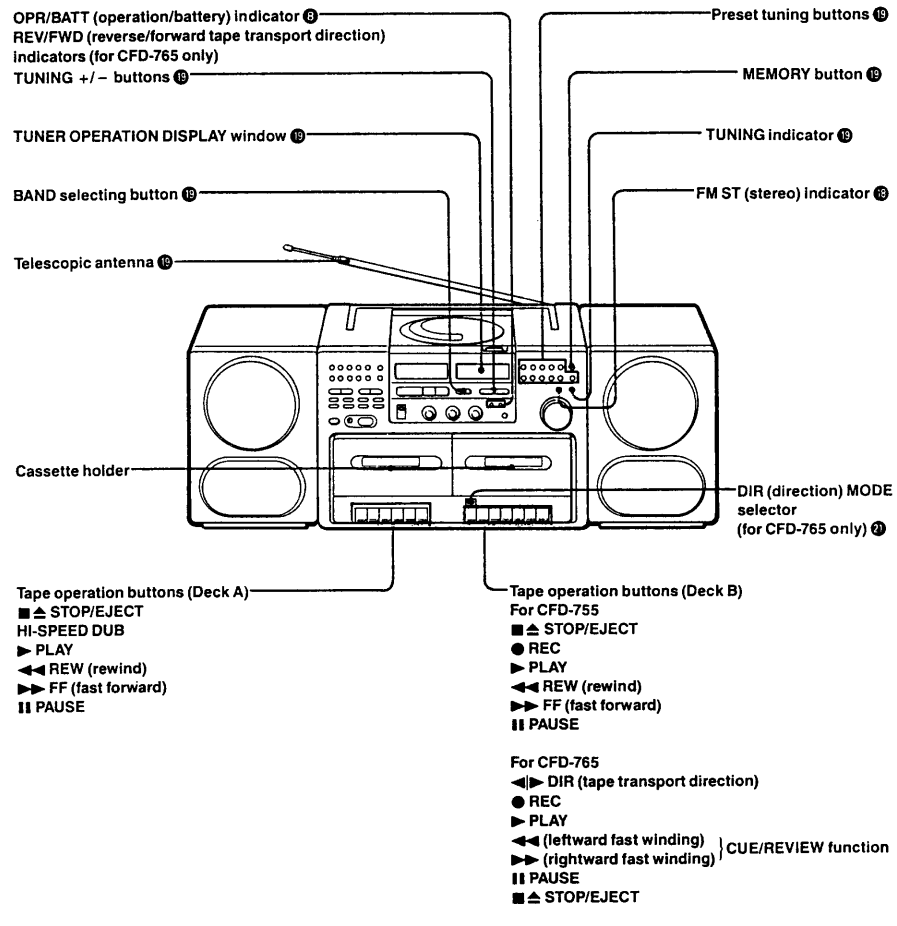
If you have any question or problem concerning your unit, please consult the nearest Sony dealer.

2-3. PARTS IDENTIFICATION

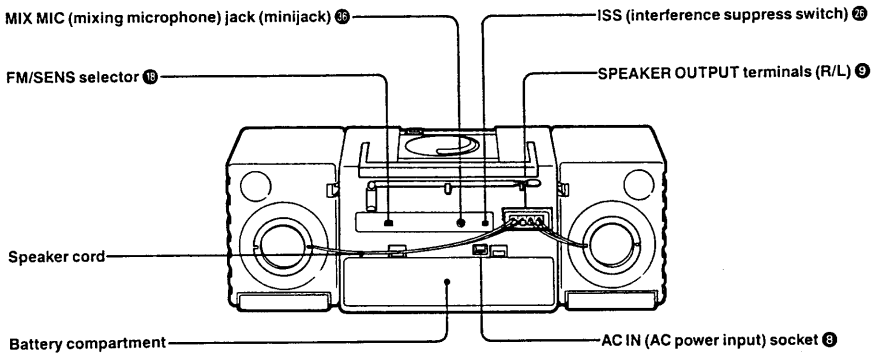
CD Player Section • Clock/Timer Section


Disc holder
CD operation buttons ⑫
▷ (play)
▯▯ (pause)
□ (stop)
CD/TIMER/CLOCK MULTI OPERATION DISPLAY window ⑫
+10 (second digit)/AM/PM button ⑪ ⑬
OPEN button ⑬
DISPLAY button ⑫
SPACE SOUND button (ON/OFF) ㉑
Number buttons for direct selection/clock/timer ⑪ ⑭ ㉛
VOLUME control
POWER switch (ON/OFF(TIMER/SLEEP))
Speaker
PHONES (headphones) jack (stereo minijack)
When the headphones are connected to the jack, the sound from the speakers does not come out.
ROTARY EQUALIZER controls ㉑
FUNCTION selector
CD: For listening to or recording the CD sound
TUNER: For listening to or recording radio programs.
DUBBING: For dubbing
TAPE: For playing back the tape
Remote sensor (for CFD-765 only)
◀◀ (manual search)/INTRO SCAN button ⑰
▶▶ (manual search)/PGM (program) CHECK button ⑯
|◀◀/▶▶| (selection search)/SEND buttons ⑫
PGM (program) CLEAR/EDIT button ⑯
SHUFFLE/PROGRAM button ⑮ ⑯
CLOCK button ⑲
STANDBY button ㉑
AUTO SPACE button ㉘
REPEAT 1/ALL button ⑰
TIMER button ㉚
SLEEP button ㉟

Radio Cassette-Corder Section

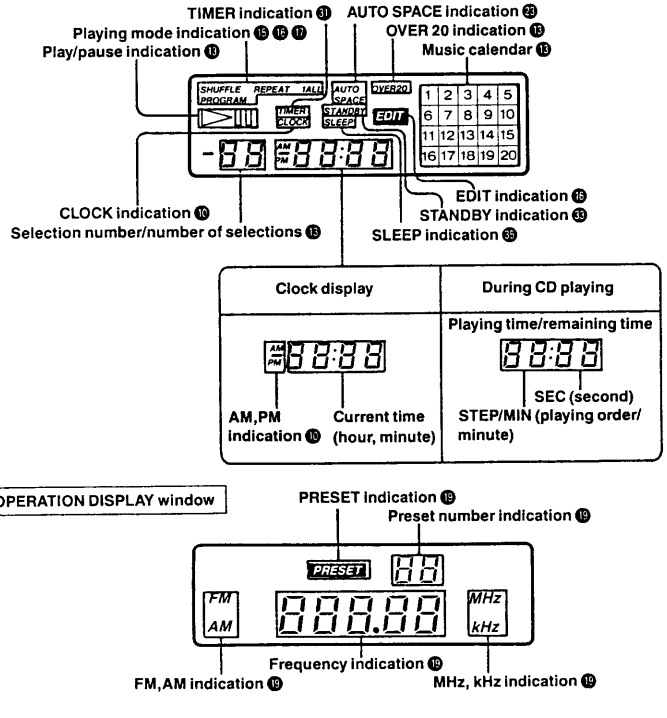


Rear Panel


MIX MIC (mixing microphone) jack (minijack) ⑯
ISS (interference suppress switch) ㉖
FM/SENS selector ⑱
SPEAKER OUTPUT terminals (R/L) ⑨
Speaker cord
Battery compartment
AC IN (AC power input) socket ⑧

Display Section

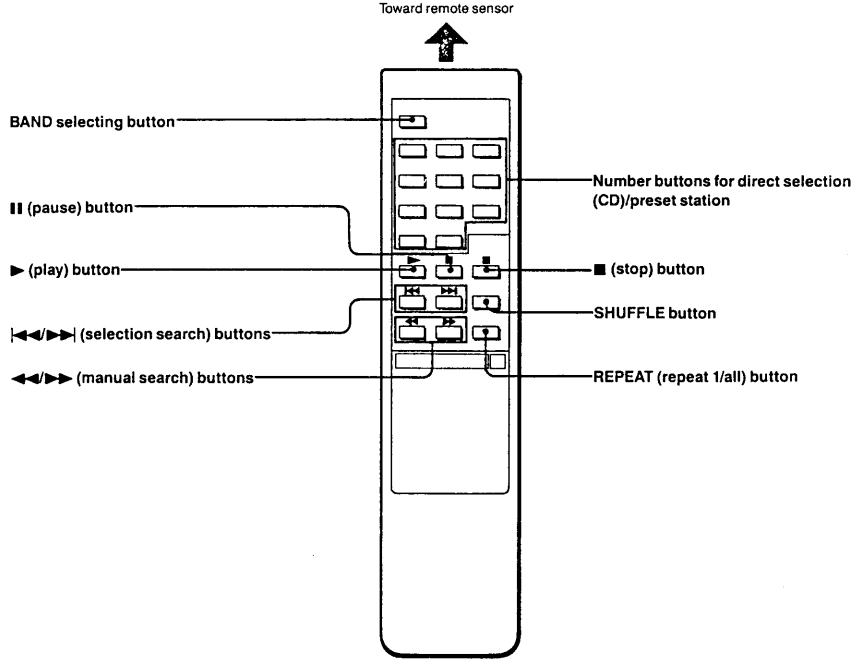
CD/TIMER/CLOCK MULTI OPERATION DISPLAY window



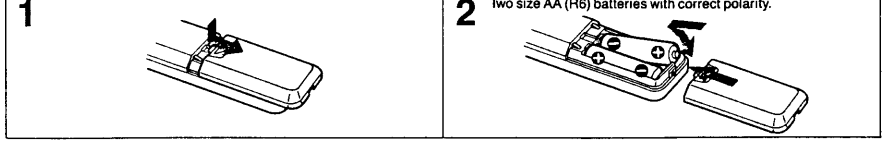
TUNER OPERATION DISPLAY window

Remote commander RMT-C760 (for CFD-765 only)

This remote commander works for the CD and TUNER sections.



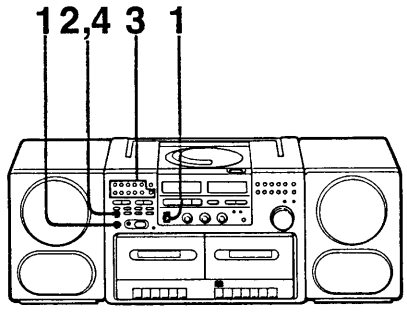
Battery installation



Notes on the remote commander

- Keep the commander away from extremely hot or humid places.
- To avoid malfunction, do not simultaneously depress two or more buttons.
- When the battery is exhausted, the commander will not operate the CFD-765. In this case, replace the batteries with new ones. In normal operation, battery life is up to half a year.

2-4. SETTING THE CLOCK



1 Turn the power off.

POWER

ON

AM 12:00

2 Press CLOCK for about 4 seconds until the CLOCK indication appears in the display window.

CLOCK

CLOCK AM 12:00

3 Press the number buttons to enter the hour and then the minute.

If the hour and/or minute has one digit, be sure to press 0 before the number.

Select AM or PM by +10/AM/PM.

Example: To set to PM 8:45.

0 → 8 → 4 → 5 → +10 (AM/PM)

CLOCK 0:00 → 08:00 → 08:40 → 08:45 → 08:45

Blinking shows the position where the next number will be entered.

4 Press CLOCK again.

The moment you release the button, the clock starts.

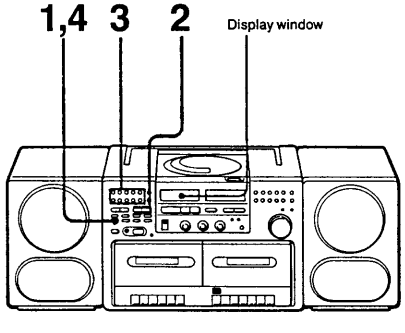
CLOCK

PM 8:45

All the digits stay lit.

To Change One Digit

Example: To change AM 1:01 to AM 1:00.



1 Press for about 4 seconds until the CLOCK indication appears in the display window.

CLOCK

CLOCK AM 0:01

2 Press ▶▶| three times until the last digit blinks.

◀ SEND ▶

|◀◀ ▶▶|

Blinking shows the position where the next number will be entered.

Blinking moves to the left by pressing |◀◀.

CLOCK 0:01 → 0:01 → 0:01

3 Press the number button.

0

CLOCK AM 0:00

4 Press CLOCK again.

The moment you release the button the clock starts.

CLOCK

All the digits stay lit.

AM 1:00

Time indication
AM 12:00 = midnight
PM 12:00 = noon

To set seconds exactly

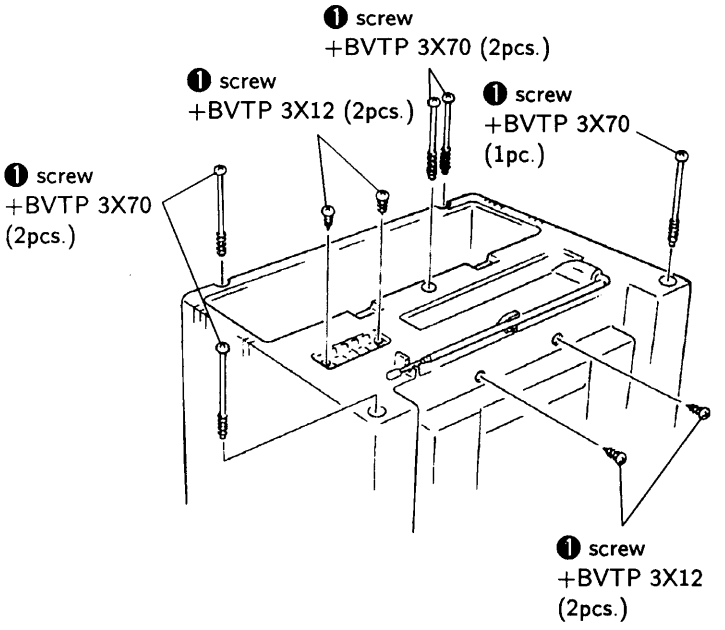
Ex.: To set the clock to PM7:00 (00 seconds)
Set the clock to PM6:59; then continue to keep CLOCK down. At a signal indicating the exact hour (ex. a radio broadcast or telephone "time" service), release the button.

To check the current time

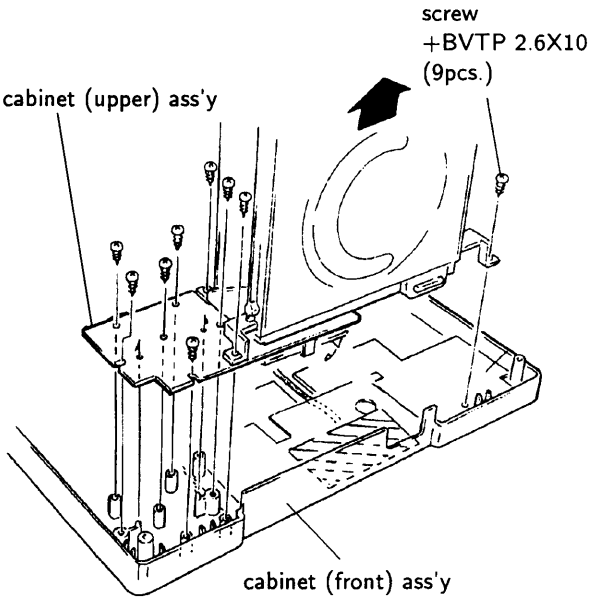
The display window shows the current time except when the CD playing. To check the time while playing the CD, press the CLOCK button.

SECTION 3
DISASSEMBLY

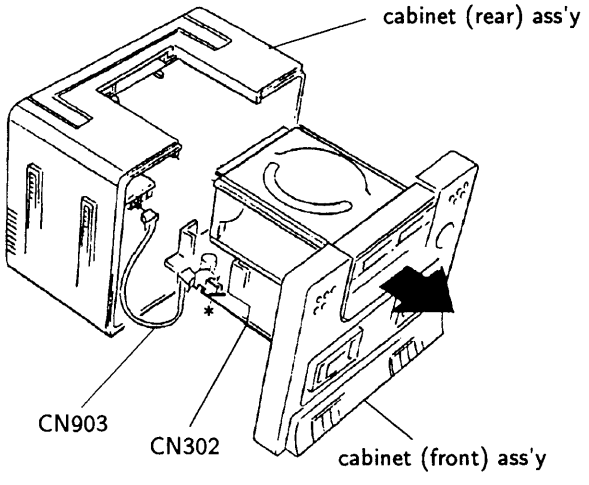
3-1. CABINET (FRONT) ASS'Y

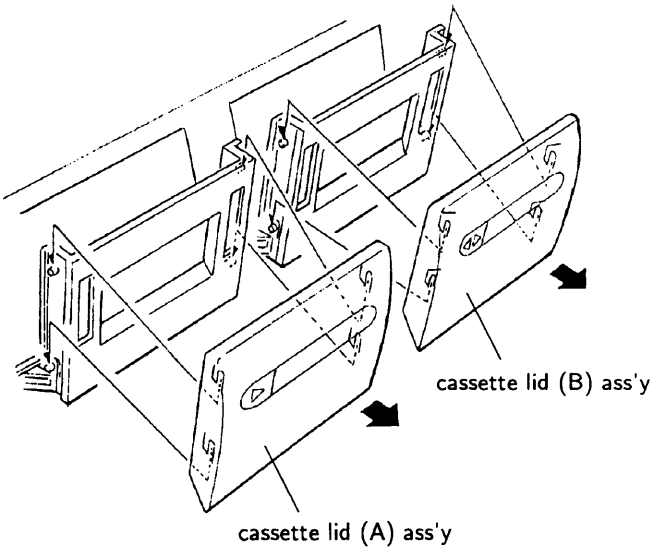


3-2. CABINET (UPPER) ASS'Y



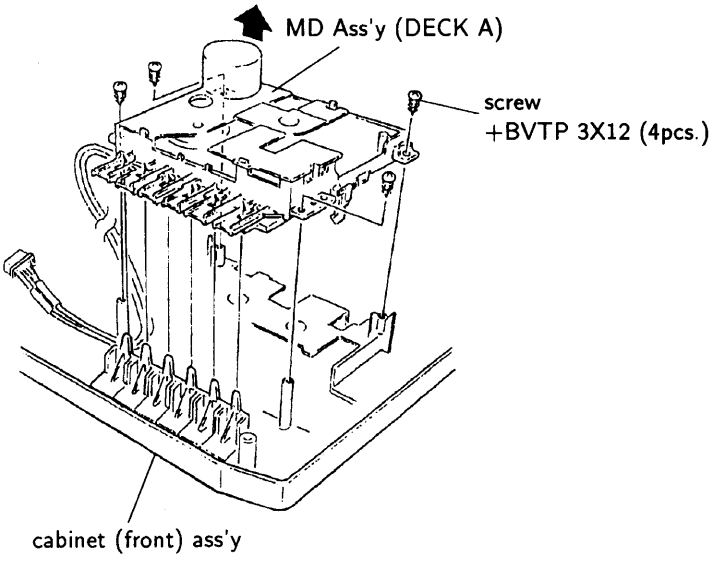
❶ Remove the cabinet (front) ass'y to arrow DIRECTION.
❷ Remove the 4P connector CN903 from both side.



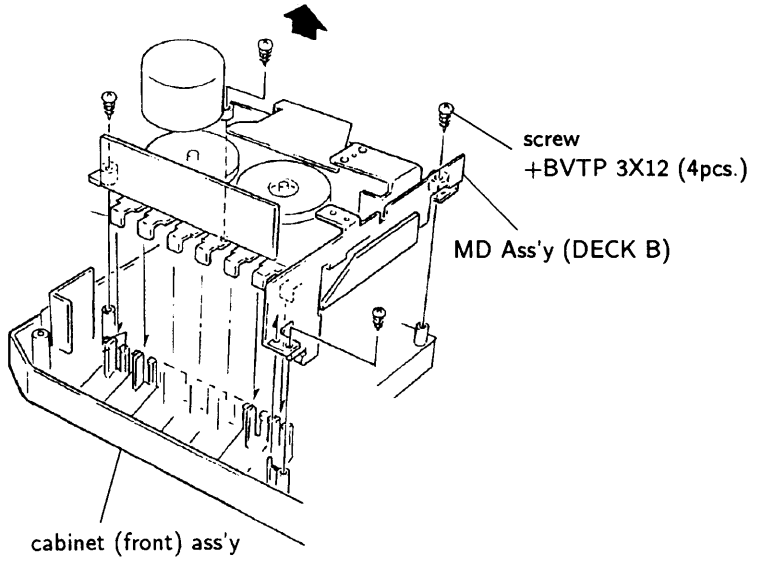


*Please note that when CN903 connecte to CN302.
CN903 lead wire should be put into a notch of printed circuit BOARD and bend the lead pin to hold the CN903 lead wire.

3-3. MD ASSY (DECK A)



3-4. MD ASSY (DECK B)



SECTION 4
MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
   record/playback head pinch roller
   erase head rubber belts
   capstan idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
6. Power supply voltage: 15V dc.

Torque Measurement
[DECK A] CFD-765, CFD-755. [DECK B] CFD-755

Torque	Torque meter	Meter reading
Forward	CQ-102C	22–55g•cm (0.31–0.76 oz•inch)
Forward back tension	CQ-102C	2–5g•cm (0.03–0.07 oz•inch)
Fast Forward and Rewind	CQ-201B	more than 45g•cm (more than 0.62 oz•inch)

[DECK B] CFD-765

Torque	Torque meter	Meter reading
Forward	CQ-102C	28–60g•cm (0.39–0.83 oz•inch)
Forward back tension	CQ-102C	2–5g•cm (0.03–0.07 oz•inch)
Reverse	CQ-102RC	28–60g•cm (0.39–0.83 oz•inch)
Reverse back tension	CQ-102RC	2–5g•cm (0.03–0.07 oz•inch)
Fast Forward and Rewind	CQ-201B	55–100g•cm (0.76–1.39 oz•inch)

Tape Tension Measurement
[DECK A] CFD-765, CFD-755. [DECK B] CFD-755

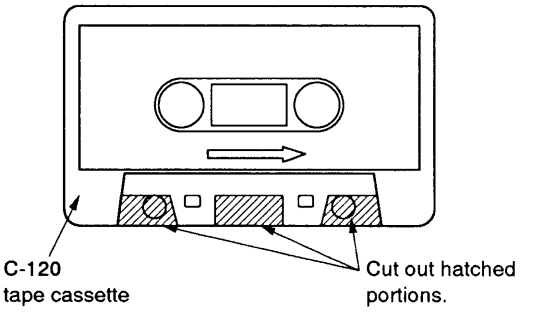
Meter	Meter Reading
CQ-403A	more than 100g (more than 3.53 oz)

[DECK B] CFD-765

Mode	Meter	Meter Reading
Forward	CQ-403A	more than 100g (more than 3.53 oz)
Reverse	CQ-403R	

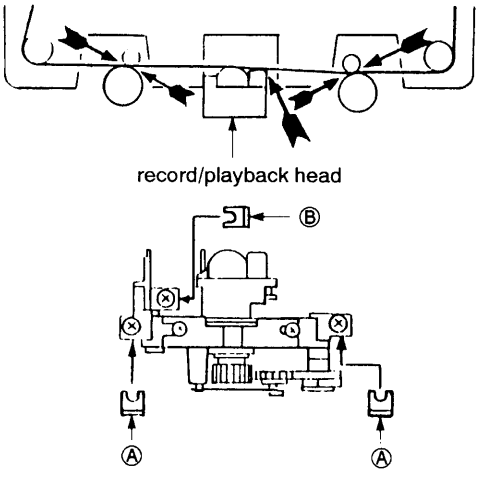
Head Height Adjustment

1. Use CQ-009C (Part No. 8-909-708-01) or prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at portions shown by arrows.

- **DECK B CFD-765**



head height adjustment shim

	Part No.	t		Part No.	t
Ⓐ	3-336-274-01	0.1	Ⓑ	4-392-603-01	0.1
	3-336-274-11	0.2		4-392-603-11	0.2
	3-336-274-21	0.3			

SECTION 5
ELECTRICAL ADJUSTMENTS

5-1. TAPE RECORDER SECTION

Standard Input Level

Input terminal	MIX MIC IN
source impedance	300Ω
input signal level	–50 dB

Standard Output Level

Output terminal	SP OUT	HP OUT
load impedance	3.2Ω	32Ω
output signal level	0.775V (0 dB)	0.25V (–10 dB)

Test Tape

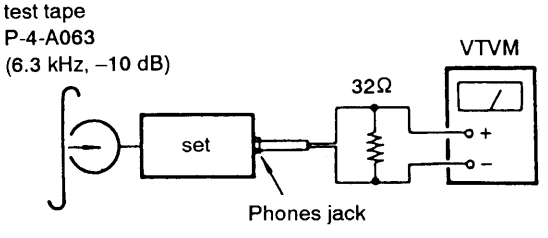
Type	Signal	Used for
WS-48A	3 kHz, 0 dB	tape speed adjustment
P-4-A063	6.3 kHz, –10 dB	head azimuth adjustment

Head Azimuth Adjustment DECK B CFD-765

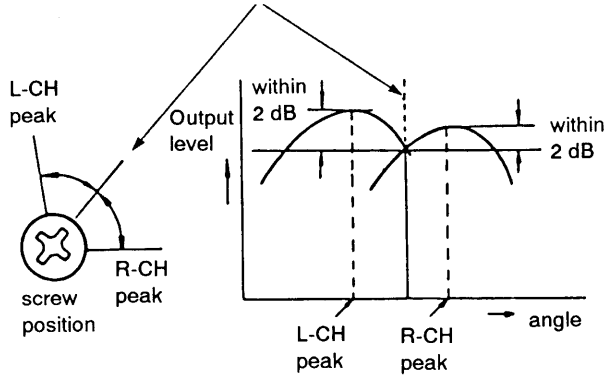
Perform adjustments in both forward and reverse playback modes for DECK B.
Output level of both forward and reverse playback modes should match together.

Procedure:

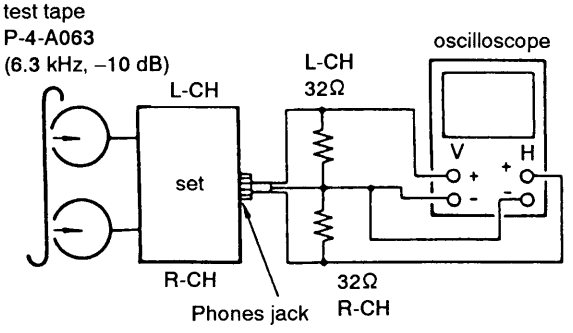
1. Mode: playback

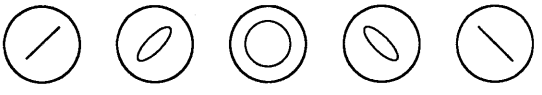


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2 dB.



3. Phase Check
Mode: playback

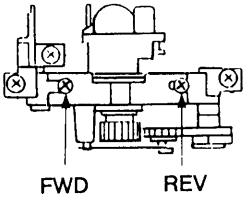


Screen Pattern				
				
in phase	45°	90°	135°	180°
good			wrong	

Note: Finish the screw adjustment with a turn in the clockwise direction.
After the adjustment, apply suitable locking compound to the adjustment screw.

Adjustment Location:

- **DECK B CFD-765**

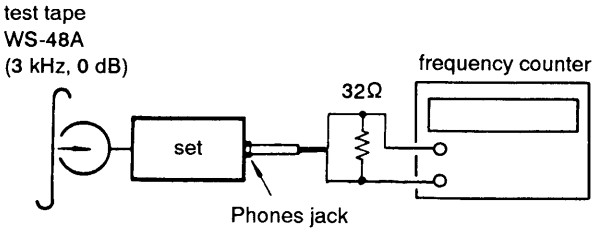


Tape Speed Adjustment DECK A DECK B

Procedure:

- Perform high speed adjustment before normal speed adjustment.

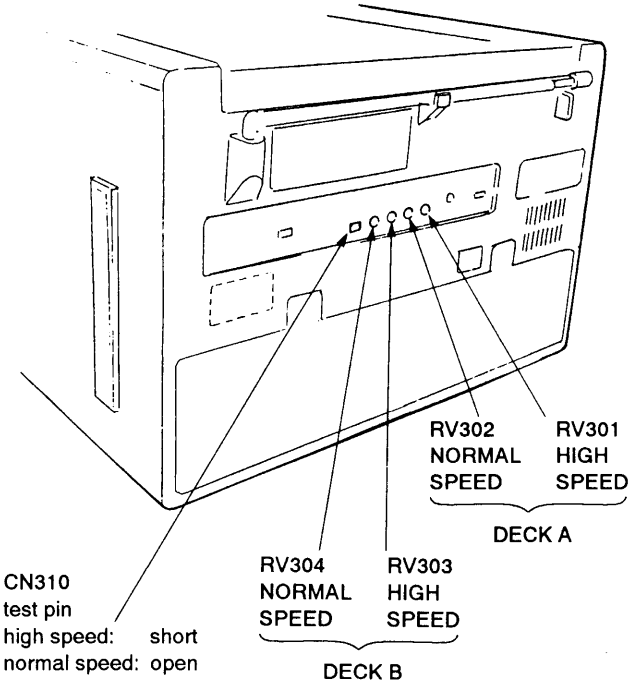
Mode: playback



Speed	Tape pin (CN310)	Deck	Adjustment point	Frequency counter
High	Short	A	RV301	5980–6020 Hz
		B	RV303	
Normal	open	A	RV302	2990–3010 Hz
		B	RV304	

Frequency difference between the begining and the end of the tape should be within ± 1.5%.

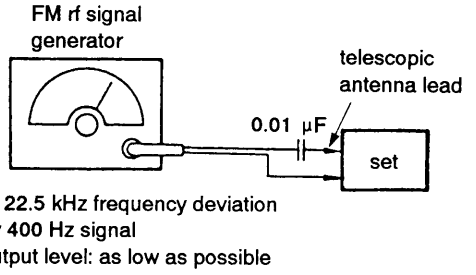
Adjustment Location:



5-2. RADIO SECTION

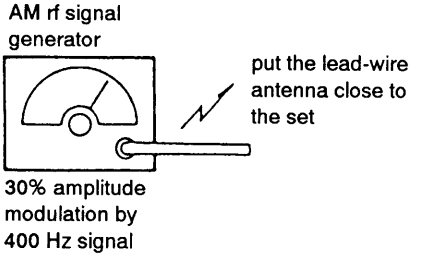
• FM Section

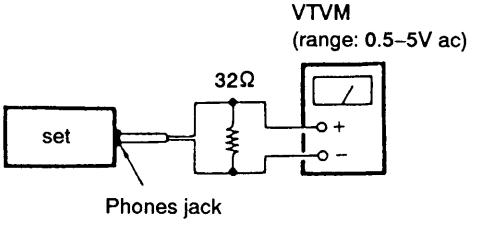
Setting:
FUNCTION switch: TUNER
BAND selection button: FM



• AM Section

Setting:
FUNCTION switch: TUNER
BAND selection button: AM





- Repeat procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

FM FREQUENCY COVERAGE ADJUSTMENT		
Adjust for specifications on digital voltmeter at CN315 ⑤ pin (VT).		
L2	87.5 MHz	3.50 ± 0.05V
(confirmation)	108 MHz	9.5 ± 1.2V (check)

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L1	87.5 MHz
CT1	108 MHz

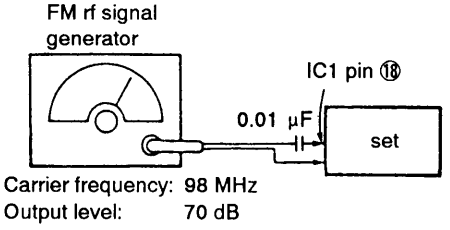
AM FREQUENCY COVERAGE ADJUSTMENT		
Adjust for specifications on digital voltmeter at CN315 ⑤ pin (VT).		
L3	530 kHz	1.8 ± 0.1V
(confirmation)	1,710 kHz	8.5 ± 0.5V (check)

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L4	620 kHz
CT3	1,400 kHz

- **FM STEREO VCO Adjustment**

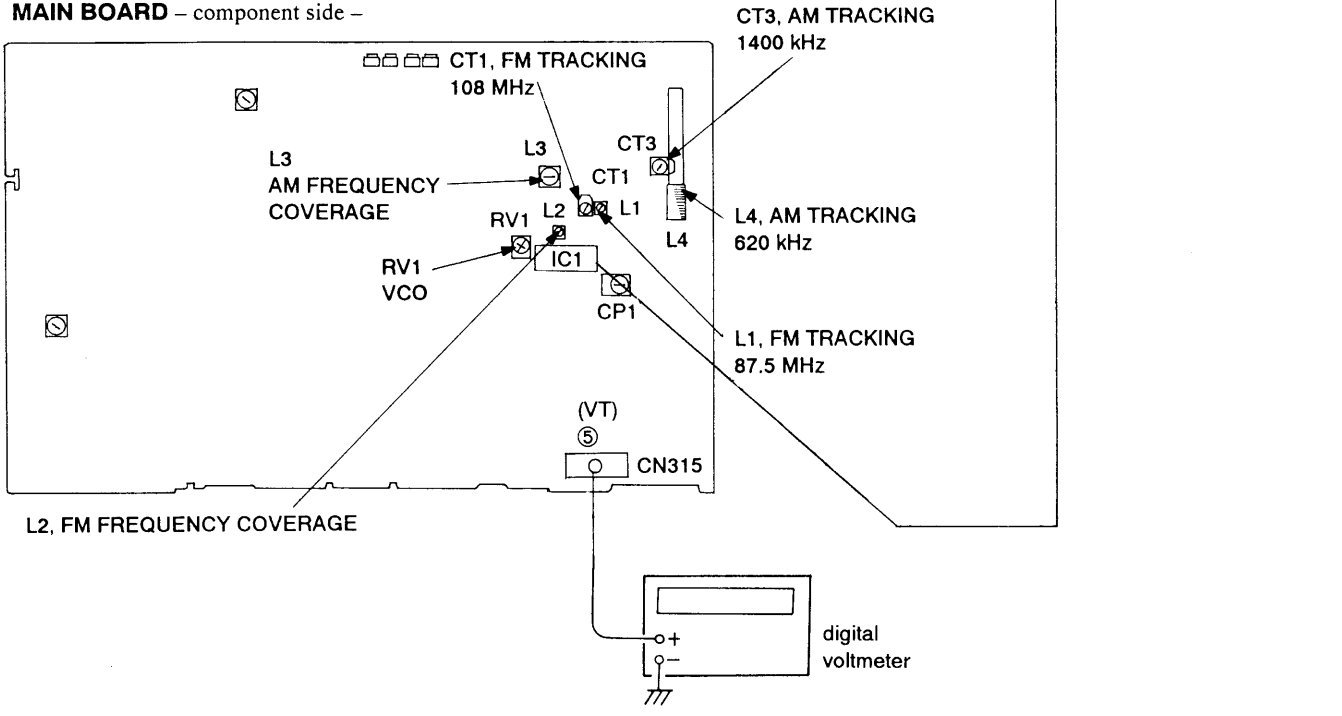
Setting:
BAND selection button: FM

Procedure:



1. Tune the set to 98 MHz.
2. Adjust with RV1 so that the reading on the frequency counter becomes 76.0 ± 0.1 kHz.

Adjustment Location:



5-3. CD SECTION

Notes on Adjustment

1. Perform adjustment in service mode.
   After adjustment, be sure to release service mode.
2. Perform adjustment in the order given.
3. Use the disc (YEDS-18, Part No. 3-702-101-01) only when so indicated.

Before Adjustment

Put the set into service mode and perform the following checks. Repair if there are any problems.

How to put into service mode.

1. Short-circuit between the test point on CD control board.
2. Turn the power on.
3. When LCD lights up and brinks.
4. Release the short-circuit the test point.

In Service mode

Perform the following check. Repair if there are any problems

1. LCD brinks with the following orders.
   All lights up → common 0 → 1 → 2 → 3 → All lights off.
2. When the pause key pushed. LCD brink stops and the laser diode in the optical pick-up block lights up.

Sled motor check.

Press ⏭, ⏮ keys and confirm that the optical pick-up block moves smoothly from the innermost to outermost circumference and back smoothly and with no catching or abnormal noises.

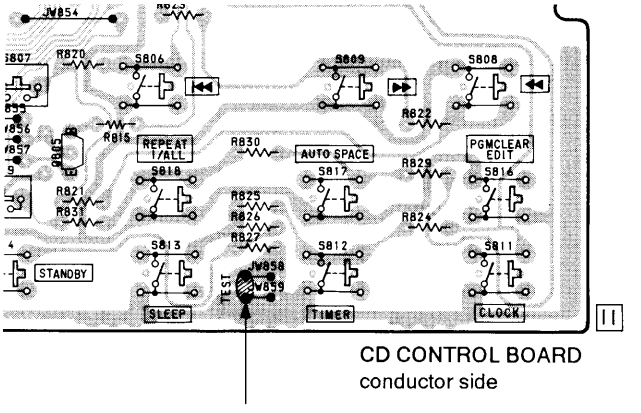
⏭: Optical pick-up block moves to the outer circumference.
⏮: Optical pick-up block moves to the inner circumference.

- **Focus Search Check.**
  Press ► key. Focus search servo operation and spindle servo operation performed.
  Press DISPLAY key. Tracking servo operation performed.
  Press ■ key. All servo operation stops and the laser diode in the optical pick-up block lights off.
  Then, LCD blinks with the following orders again.
  All lights up → common 0 → 1 → 2 → 3 → All lights off.

How to release service mode.

Remove three penlight dry batteries from battery lid and turn the power off, turn the power on again.

Note: When the mulfunction is occured by mis-passing other keys, turn off the power and check again from making the service mode.



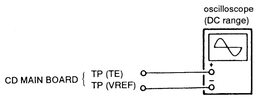
CD CONTROL BOARD
conductor side

solder bridge

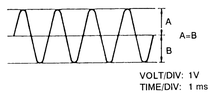
E-F Balance Adjustment

This adjustment is to be done when the optical block is replaced.

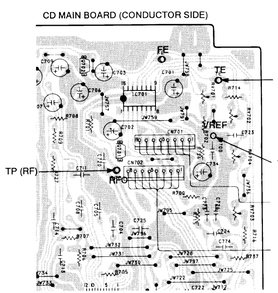
Adjustment Procedure:



1. Connect the oscilloscope between TP (TE) and TP (VREF.)
2. Put the set into service mode.
3. Press the ⏭ and ⏮ keys to move the FOP to the center.
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV701 so that the oscilloscope traverse waveform is symmetrical, as shown in the figure below.
6. Release service mode after adjustment is completed.



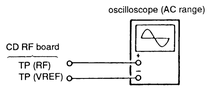
Adjustment value: 2 ± 0.5 Vp-p



Focus Bias Adjustment

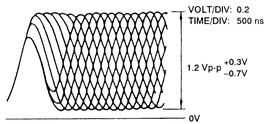
This adjustment is to be done when the optical block is replaced.

Adjustment Procedure:



1. Connect the oscilloscope between TP (RF) and TP (VREF).
2. Put the set into service mode.
3. Press the ⏭ and ⏮ keys to move the FOP to the center. (Move the FOP to the music area on the disc to enable easy visibility of the eye pattern.)
4. Insert disc (YEDS-18) and press ► key.
5. Adjust RV702 so that the oscilloscope waveform is as shown in the figure below (eye pattern).
   A good eye pattern means that the diamond scape (◇) in the center of the waveform can be clearly distinguished.
6. Release service mode after adjustment is completed.

- RF signal reference waveform (eye pattern).



When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

- See page 17 for Adjustment Location.

REFERENCE

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.
However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.
Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.
However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

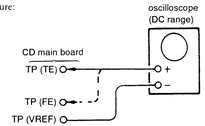
Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP → ► PLAY on automatic selection (⏮, ⏭ buttons pressed. (Normally takes about 2 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP → ► PLAY or automatic selection (⏮, ⏭ buttons pressed.)	–	low
• Disc table opens shortly after STOP → ► PLAY.	low or high	–
• Sound is interrupted during PLAY. Or time counter display stops progressing	–	low
• More poise during 2-axis device operation.	high	high

The following is a simple adjustment method.

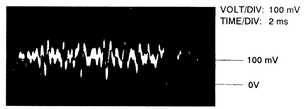
– Simple Adjustment –

Note: Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:

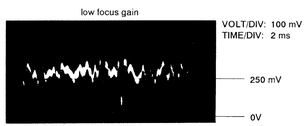


1. Keep the set horizontal.
   (If the set not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.)
2. Insert disc (YEDS-18) and press ► PLAY button.
3. Connect oscilloscope to CD main board TP (FE).
4. Adjustment RV703 so that the waveform is as shown in the figure below. (focus gain adjustment)

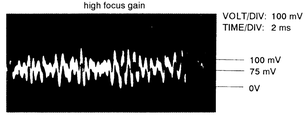


- Incorrect Examples (DC level changes more than on adjusted waveform)

low focus gain



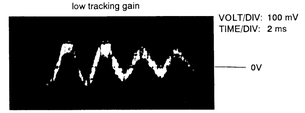
high focus gain



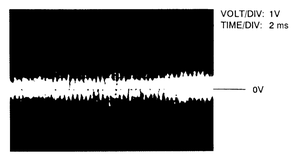
5. Connect oscilloscope to TP (TE).
6. Adjust RV704 so that the waveform is as shown in the figure below. (Tracking gain adjustment)

- Incorrect Examples (fundamental wave appears)

low tracking gain

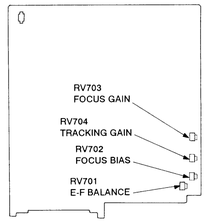


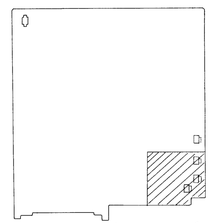
high tracking gain
(higher fundamental wave than for low gain)

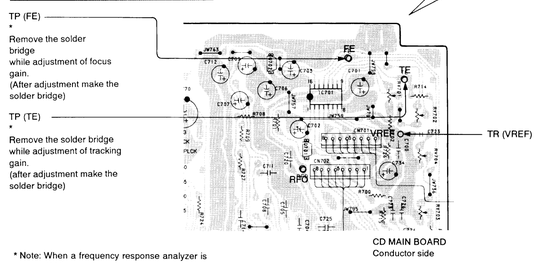


Adjustment Location:

CD MAIN BOARD
– Component side –





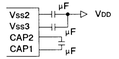

TP (FE) *
Remove the solder bridge while adjustment of focus gain. (After adjustment make the solder bridge)
TP (TE) *
Remove the solder bridge while adjustment of tracking gain. (after adjustment make the solder bridge)
FE
TE
VREF
RFO
TR (VREF)
CD MAIN BOARD
Conductor side

* Note: When a frequency response analyzer is used:

SECTION 6
DIAGRAMS

6-1. IC PIN FUNCTIONS

• **IC501 Tuner Controller (μPD1724GB-524-1A7)**

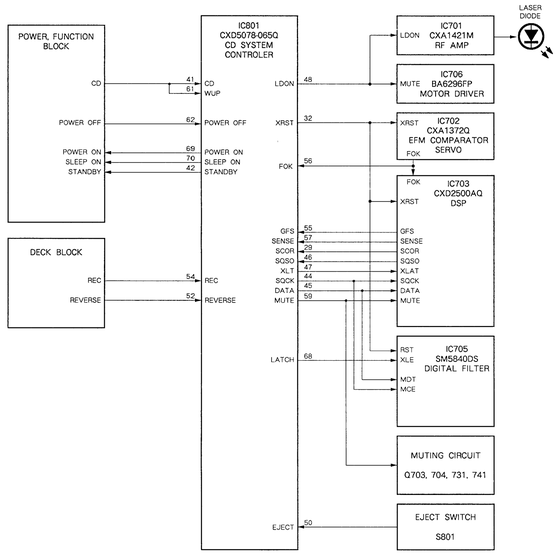
Pin No.	Pin Name	I/O	Description
1–10	LCD10–1	O	Output port for segment signal of LCD.
11	N.C.	–	Not used (OPEN).
12–14	COM3–1	O	Output port for common signal of LCD.
15	Vss3		Capacitor connection terminal of doubler circuit to produce drive voltage for LCD. 
16	CAP2		
17	CAP1		
18	Vss2		
19	VDP	–	Not used (OPEN).
20	MUTE	O	Output for muting signal to cut off the pop noise when PLL is unlock.
21	N.C.	–	Not used (OPEN).
22	VDD	–	Power supply voltage (+5V).
23	VHF	–	Not used (OPEN).
24	FM IN	I	FM VCO input terminal.
25	AM IN	I	MW•SW VCO input terminal.
26	Vss1	–	Ground.
27	EO1	O	Output of phase comparator for VCO.
28	EO2	–	Not used (OPEN).
29	CE	I	Device select input. (PLL section ON/OFF. Always "H")
30	XO	O	Output for clock oscillation circuit. (75 kHz)
31	XI	I	Input for clock oscillation circuit.
32	Vss4	–	Capacitor connection terminal of doubler circuit to produce drive voltage for LCD.
33	RM	I	Remote control signal interval input.
34	9K/10K	I	MW tuning interval select input when it initialize. "L": 9 kHz, "H": 10 kHz.
35	KEY	O	Key source output signal.
36	SD	–	Not used (OPEN).
37	BAND2	O	Band select output.
38	BAND1	O	Band select output.
39	BAND0	O	Band select output.
40	KS4	–	Not used (OPEN).
41–44	KS3–KS1	O	Key matrix output.
45–48	K3–K0	I	Key data and remote control signal (from IC305) input.
49, 50	N.C.	–	Not used (OPEN).
51–56	LCD16–11	O	Output port for segment of LCD.

	BAND0	BAND1	BAND2
MW	L	L	L
SW1	H	L	L

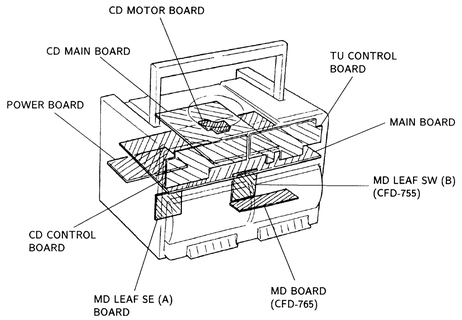
• **IC801 CXP5078-065Q CD SYSTEM CONTROLLER**

Pin No.	Pin Name	I/O	Description
1 – 19	SEG18 – SEG0	O	Output port for LCD segment signal
20 – 23	COM3 – COM0	O	Output port for LCD common signal
24 – 26	VLC1 – VLC3	–	Port for LCD bias voltage
27	VL	O	Control port for cut-off the current flow in the LCD bias resistor of external
28	RMIN	I	Remote control signal input from SIRCS receiver
29	SCOR	I	Sub code syncro signal detection input from IC703 (CD DSP)
30	XTAL	O	Output for clock oscillation circuit (3.58MHz)
31	EXTAL	I	Input for clock oscillation circuit
32	$\overline{RST}$	O	Reset signal output for IC702 (servo), IC703 (CD DSP), IC705 (Digital Filter)
33	N. C.	–	Not used (+5V)
34	VDD	–	Power supply terminal (+5V)
35 – 40	KEY0 – KEY5	I	Key input (analog)
41	CD	I	CD select (S302) input. CD: "H"
42	STANDBY	O	Output for power switch on timer mode. Timer standby mode: "H"
43	N. C.	–	Not used (open)
44	SQCK	O	Sub code (Q data) readout clock output to IC703 (CD DSP)
45	DATA	O	Serial data output to IC702 (servo) and IC703 (CD DSP)
46	SQSO	I	Subcode (Q data) serial input from IC703 (CD DSP)
47	$\overline{XLT}$	O	Serial data latch output to IC702 (servo) and IC703 (CD DSP)
48	$\overline{LD\ ON}$	O	Optical pick-up laser diode ON/OFF switching and motor driver (IC706) muting output. H: on
49	12/$\overline{24}$	I	12 or 24 hour cycle (clock) select input. "L": 24H, "OPEN": 12H
50	$\overline{EJECT}$	I	CD lid OPEN/CLOSE switch (S801) input. OPEN: "L", CLOSE:"H"
51	LEADER	I	Not used (open)
52	REVERSE	I	DECK B reverse switch (S604) input. Reverse: "H"
53	$\overline{PAUSE\ LED}$	I	Not used (open)
54	$\overline{REC}$	I	DECK B REC switch (S301) input. REC: "L"
55	GFS	I	Frame syncro signal clock status input from IC703 (CD DSP). "L": NG, "H": OK
56	FOK	I	Focus OK input from IC702 (servo). "H": OK
57	SENSE	I	Input of signal representing the internal status of IC702 (servo) and IC703 (CD DSP)
58	HI SPEED	I	Not used (open)
59	MUTE	O	Muting control output. "H": MUTE
60	N. C.	–	Not used (open)
61	WUP	I	Wake up input for standby mode cancel
62	POWER OFF	I	Power-off detection input. "L": OFF
63	$\overline{XRST}$	I	System reset input
64	N. C.	–	Not used (open)
65	MD STOP	O	Not used (open)
66	HI SPEED ERASE	O	Not used (open)
67	HI SPEED CD	O	Not used (open)
68	$\overline{LATCH\ (DF)}$	O	Serial data latch output to IC706 (Digital filter)
69	POWER ON	O	Output for power switch on timer mode. Timer ON: "H"
70	SLEEP ON	O	Output for power switch on sleep mode

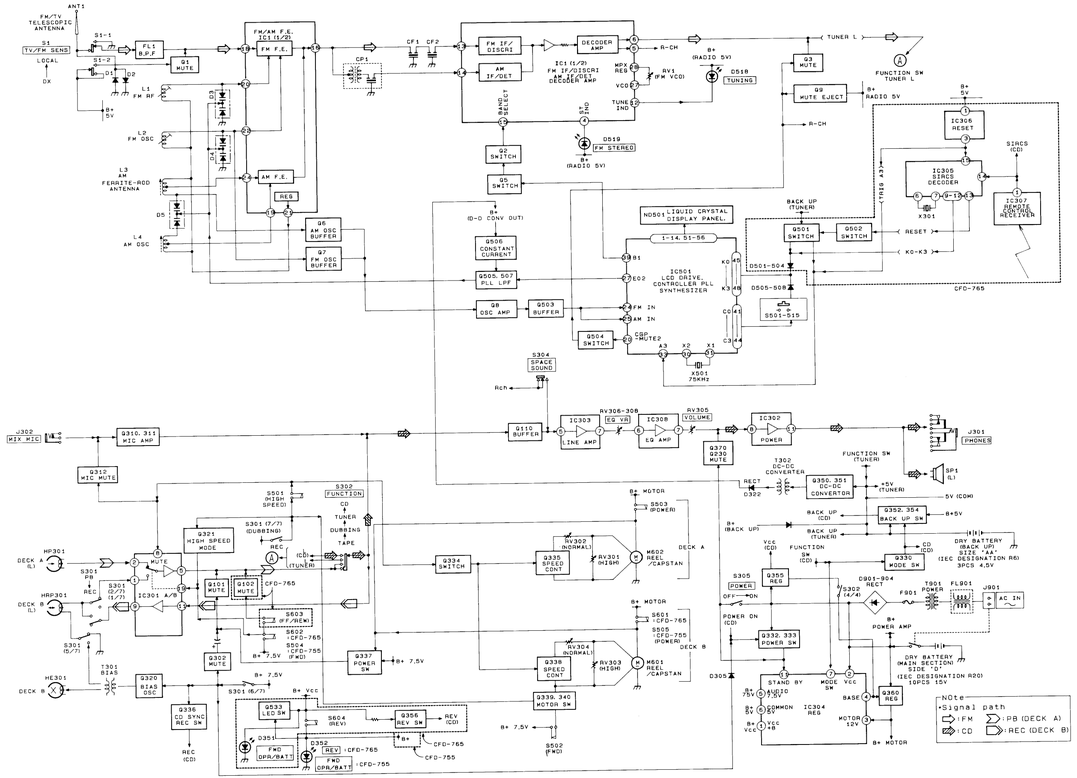
Pin No.	Pin Name	I/O	Description
71	GND	–	Power supply terminal (GND)
72	TX	O	Output for clock oscillation circuit
73	N. C.	–	Not used (open)
74	TEX	I	Input for timer clock oscillation circuit (32.768kHz)
75	VREF	–	Not used (open)
76 – 80	SEG23 – SEG19	O	Output port for LCD segment signal



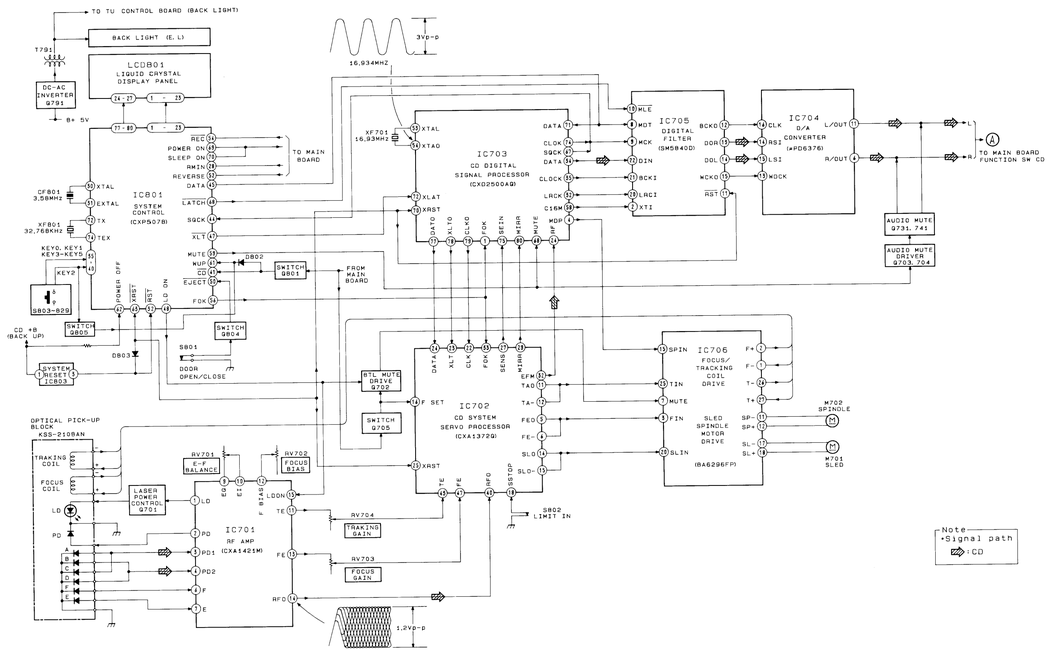
6-2. CIRCUIT BOARDS LOCATION



6-3. BLOCK DIAGRAM —MAIN Section—



6-4. BLOCK DIAGRAM —CD Section—



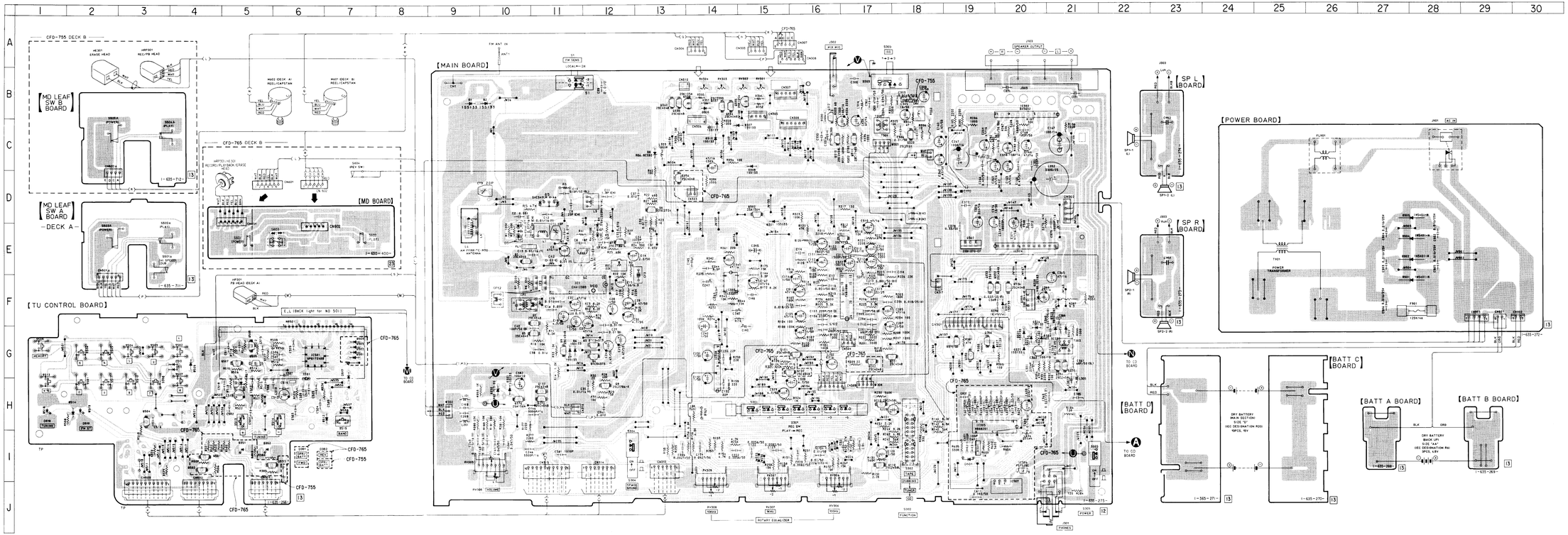
6-5. PRINTED WIRING BOARDS —MAIN Section—

• See page 47 for Semiconductor Lead Layouts.

• Semiconductor Location

MAIN section

Ref. No.	Location	Ref. No.	Location
D1	B-9	Q332	F-20
D2	B-10	Q333	F-19
D3	E-10	Q334	B-14
D4	E-12	Q335	B-15
D5	D-11	Q336	F-20
D6	G-11	Q337	B-14
D7	G-11	Q338	B-14
D8	C-13	Q339	B-13
D301	E-15	Q340	B-13
D305	F-20	Q350	G-21
D306	B-14	Q351	G-21
D307	C-15	Q352	G-19
D308	C-15	Q354	G-19
D310	C-14	Q355	F-20
D311	C-14	Q356	D-13
D320	G-20		
D321	G-20		
D322	G-21		
D323	G-21		
D324	G-20		
D325	G-20		
D326	G-20		
D327	G-19		
D328	F-20		
D330	H-10		
D331	H-10		
D351	I-5		
D352	I-5		
D501	G-7		
D502	G-7		
D503	G-7		
D504	G-7		
D509	G-4		
D510	G-4		
D511	G-4		
D512	H-7		
D516	H-5		
D514	H-2		
D517	G-7		
D518	H-1		
D519	H-2		
D601	I-19		
D901	F-28		
D902	E-28		
D903	D-28		
D904	E-28		
IC1	F-11		
IC301	F-17		
IC302	B-20		
IC303	F-14		
IC304	E-20		
IC305	H-19		
IC306	I-20		
IC307	C-18		
IC308	G-14		
IC501	G-6		
Q1	E-10		
Q2	F-11		
Q3	G-12		
Q4	G-12		
Q5	I-7		
Q6	D-13		
Q7	E-12		
Q8	H-12		
Q9	G-11		
Q101	G-16		
Q102	G-16		
Q110	I-17		
Q130	H-11		
Q201	G-18		
Q202	G-17		
Q210	H-17		
Q230	H-11		
Q302	D-15		
Q310	C-16		
Q311	C-17		
Q312	B-16		
Q320	C-18		
Q321	E-17		
Q330	G-19		

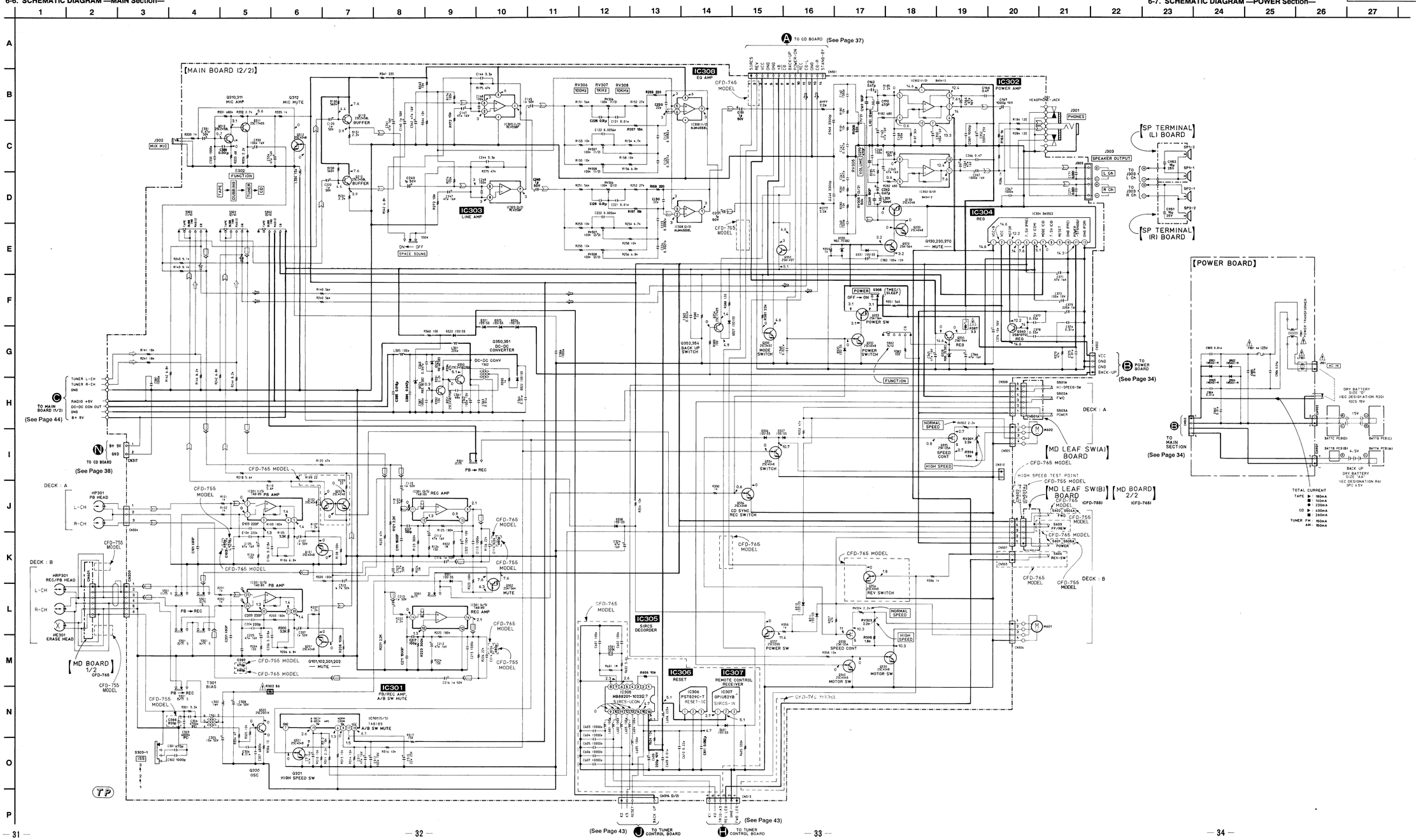


Note:

• ▩ : parts mounted on the conductor side.

6-6. SCHEMATIC DIAGRAM —MAIN Section—

6-7. SCHEMATIC DIAGRAM —POWER Section—



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantaliums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- : nonflammable resistor.
- : fusible resistor.

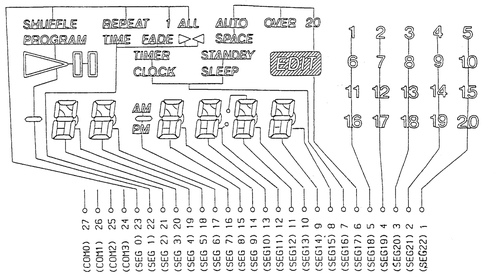
Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark: TAPE FWD
- Voltages are taken with a VOM (Input Impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ⇨ : PB (DECK A) ⇨ : CD

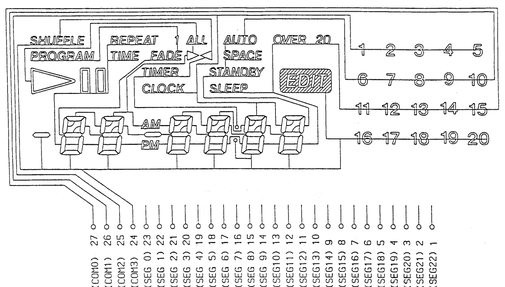
6-8. SCHEMATIC DIAGRAM —CD Section—

LCD801

SEGMENT



COMMON

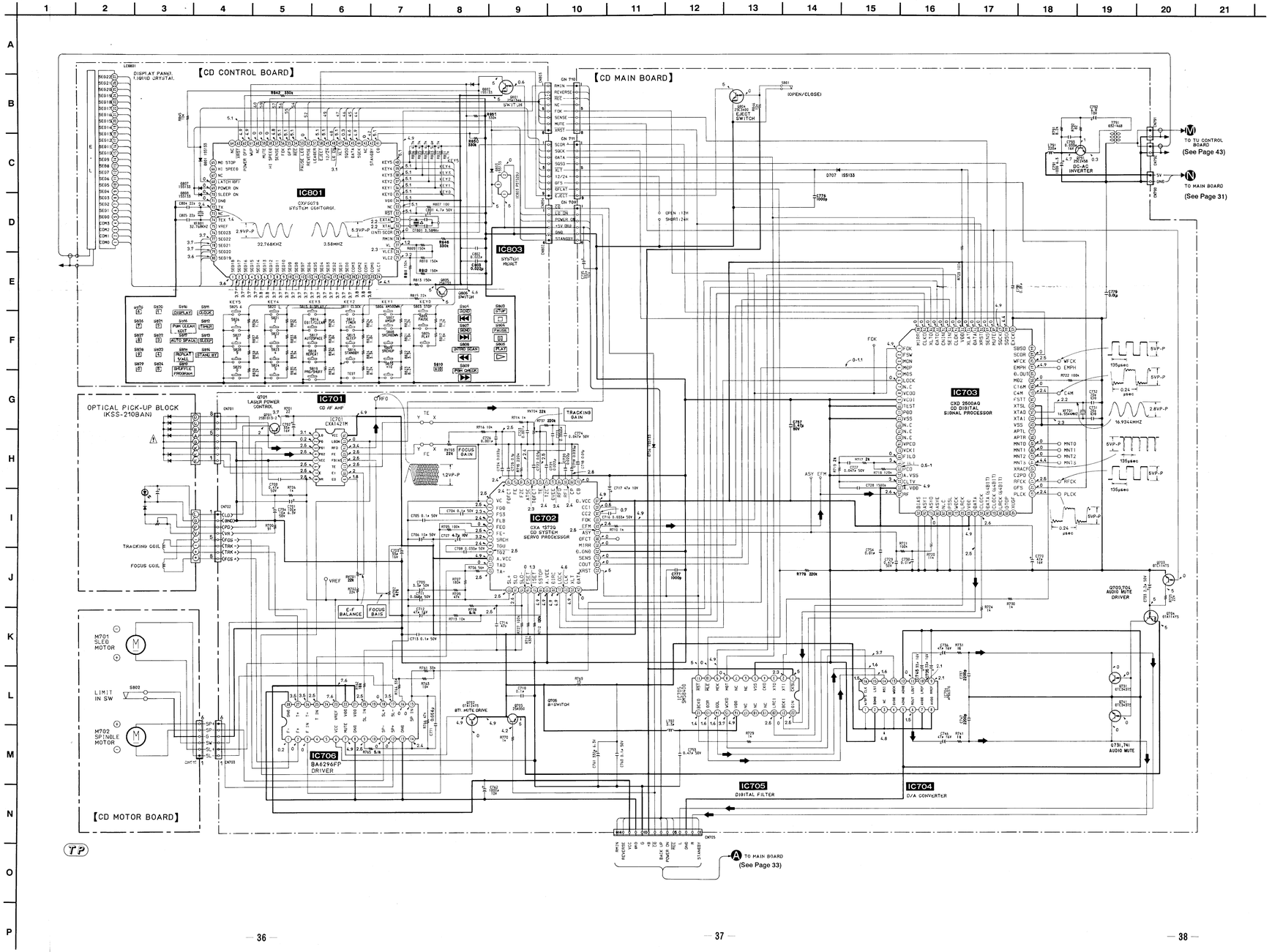


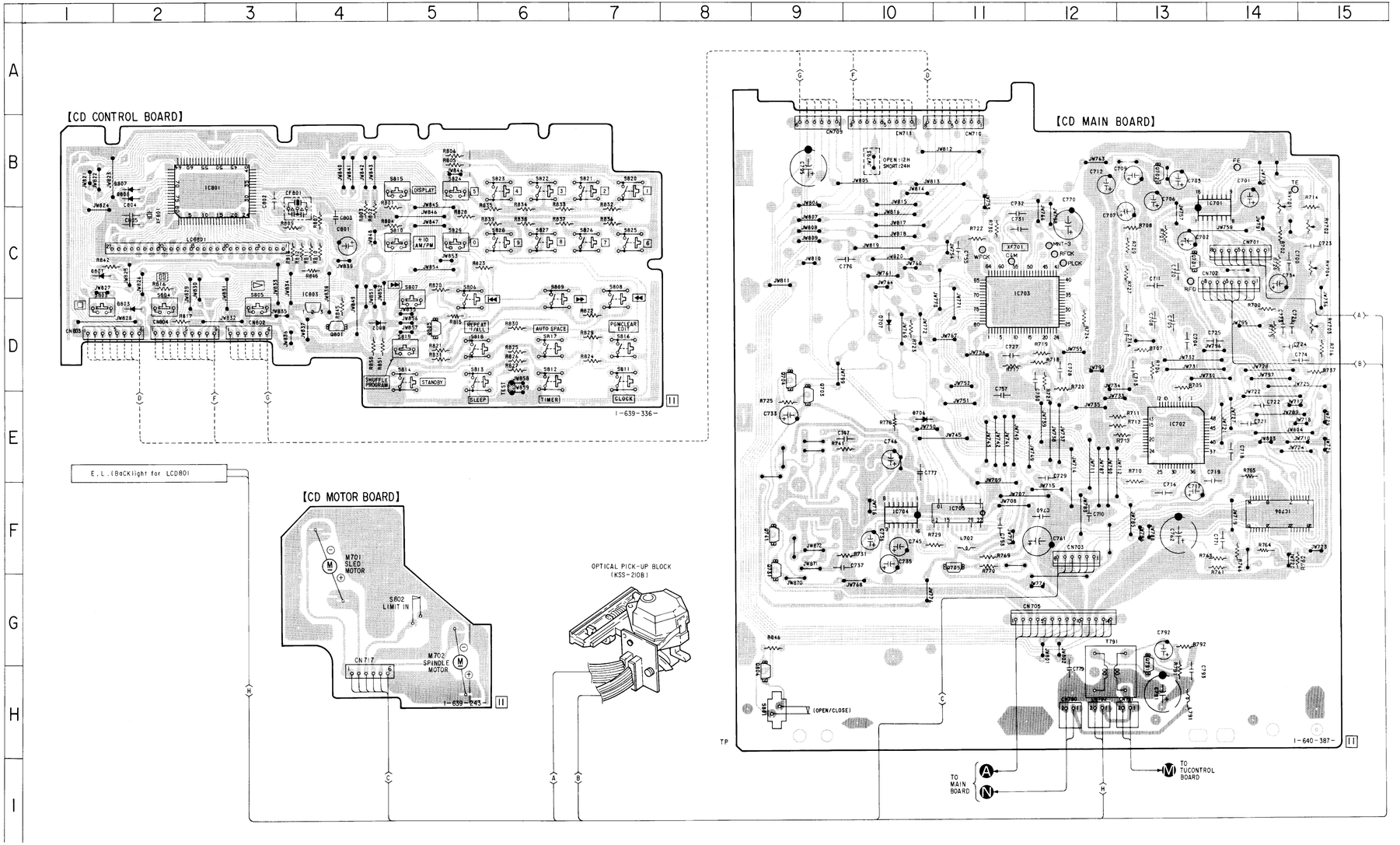
Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.

Note:	Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark: CD PLAY
- **Voltages are taken with a VOM (Input Impedance 10 MΩ).**
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ➡ : CD





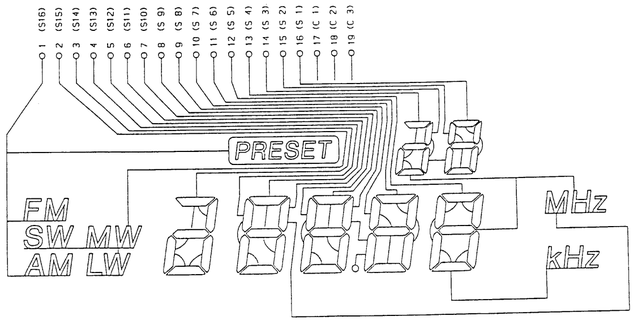
• Semiconductor Location

CD section

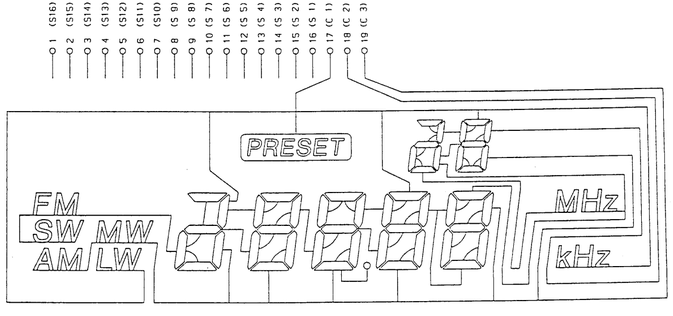
Ref. No.	Location
D706	E-10
D707	D-10
D801	C-1
D802	D-4
D803	D-2
D807	B-2
D808	B-2
IC701	C-14
IC702	E-13
IC703	D-11
IC704	F-10
IC705	F-11
IC706	F-14
IC801	B-3
IC803	D-4
Q701	C-13
Q702	B-13
Q703	E-9
Q704	D-9
Q705	F-11
Q731	F-9
Q741	F-9
Q791	H-13
Q801	D-4
Q804	H-9
Q805	D-5

ND501

SEGMENT



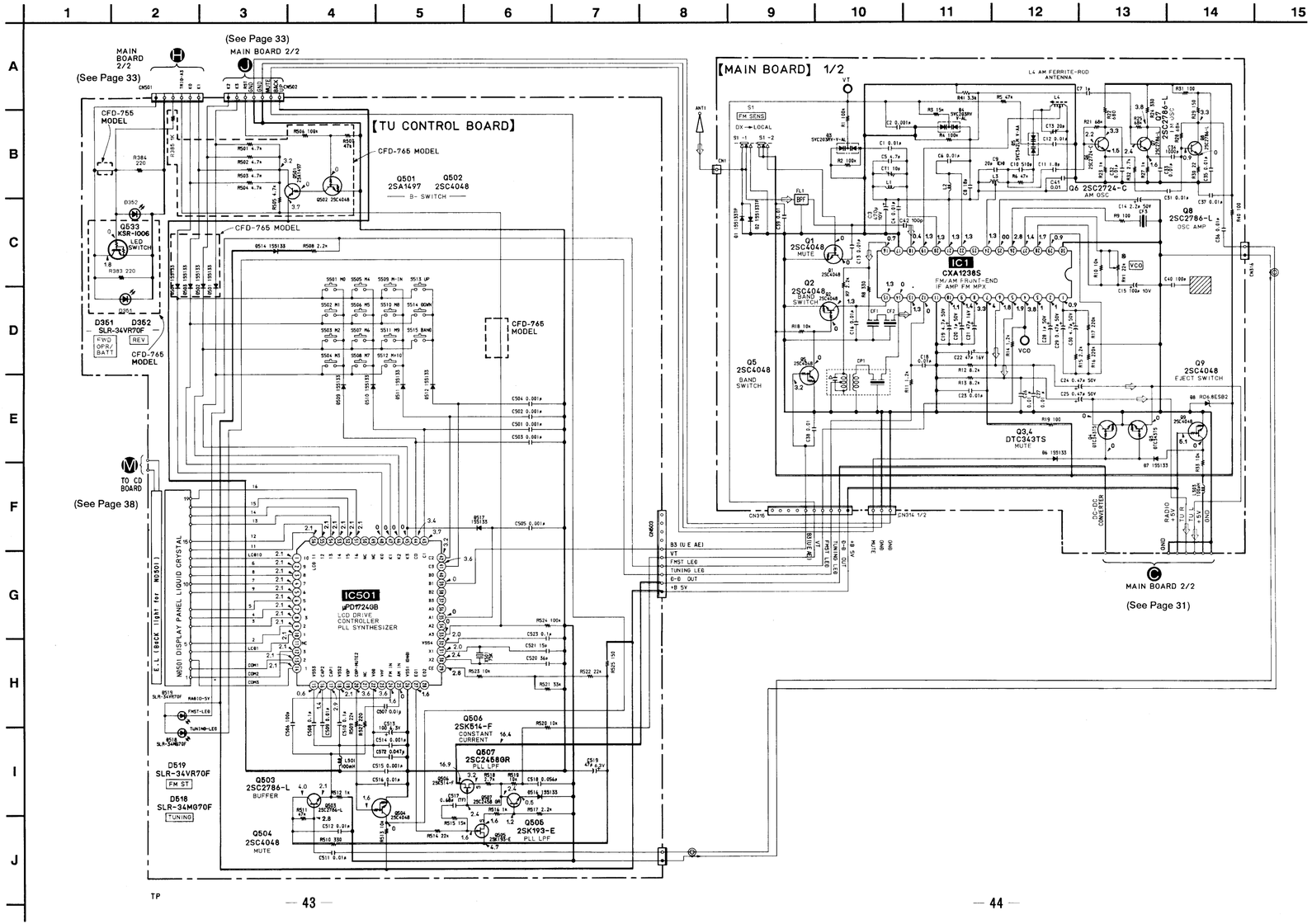
COMMON



Note:

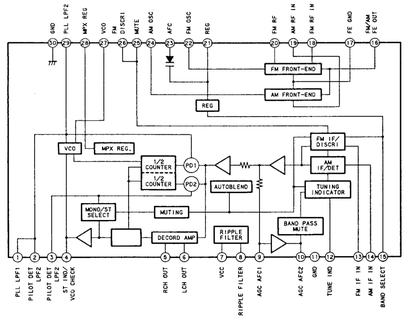
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input Impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

6-10. SCHEMATIC DIAGRAM —TUNER Section—

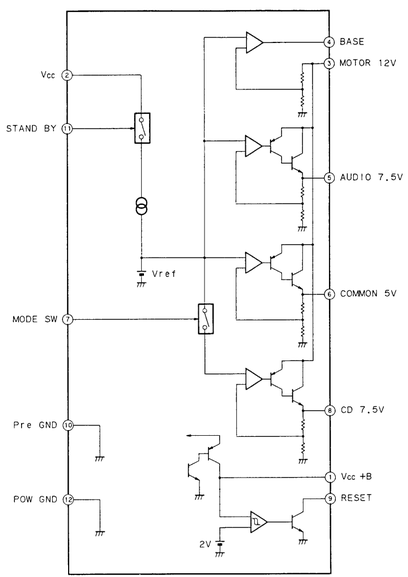


• IC BLOCK DIAGRAM

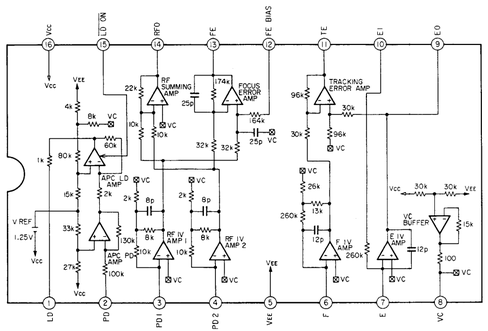
IC1 CXA-1238S



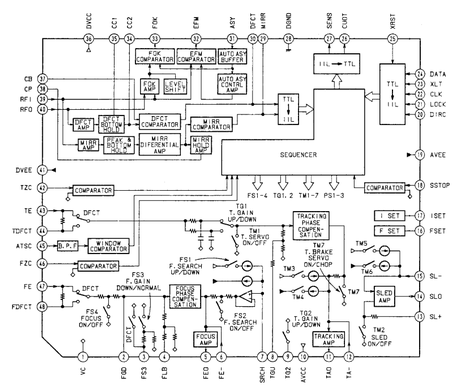
IC304 BA3922



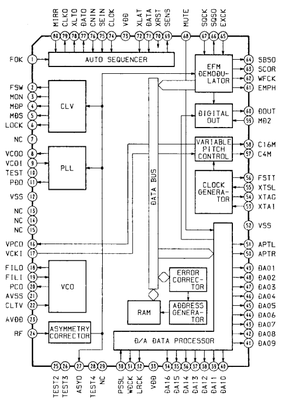
IC701 CXA1421M



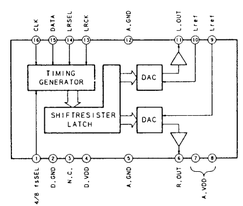
IC702 CXA1372Q



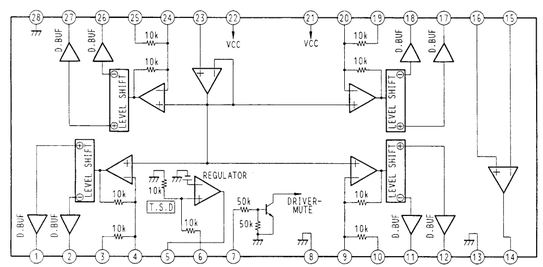
IC703 CXD2500AQ



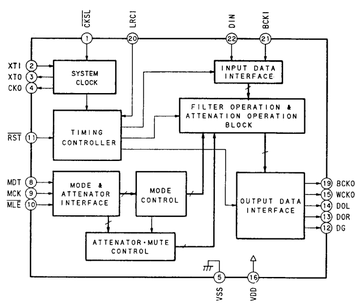
IC704 μPD6376GS



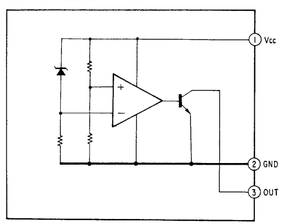
IC706 BA6296FP



IC705 SM5840SD

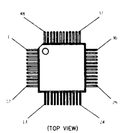


IC306 PST-529C
IC803 PST-529J

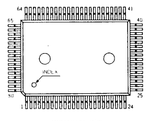


6-11. SEMICONDUCTOR LEAD LAYOUTS

CXA1372Q

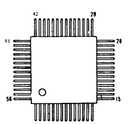


CXD2500AQ
CXP5078-065Q



PST529C
PST529J

μPD1724GB-524-1A7

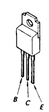


DTA114TS
DTA114YS
DTA124ES
DTC114ES
DTC124ES
DTC144ES
2SC1740SLN-RS
2SC2458L-GR
2SC2724-C
2SC4048

DTC114TS
DTC343TS
2SC2785-HFE
2SC2786-L
2SC2786-K

2SA733-K
2SA950-Y
2SB1013-4
2SC2001-K2

2SB1370-EF



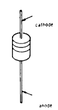
2SD1944-K

2SK105A-30

2SK193-E

2SK514-H

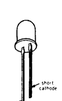
RD2.7ES-B2
RD3.9ES-B2
RD6.8ES-B2
RD8.2ES-B3
RD16ES-B3
1SS119



SVC203RA-V
SVC3421M-V

U15G

SLR-34MG70F-150
SLR-34VR70F-150
SLR-34VR70F-165



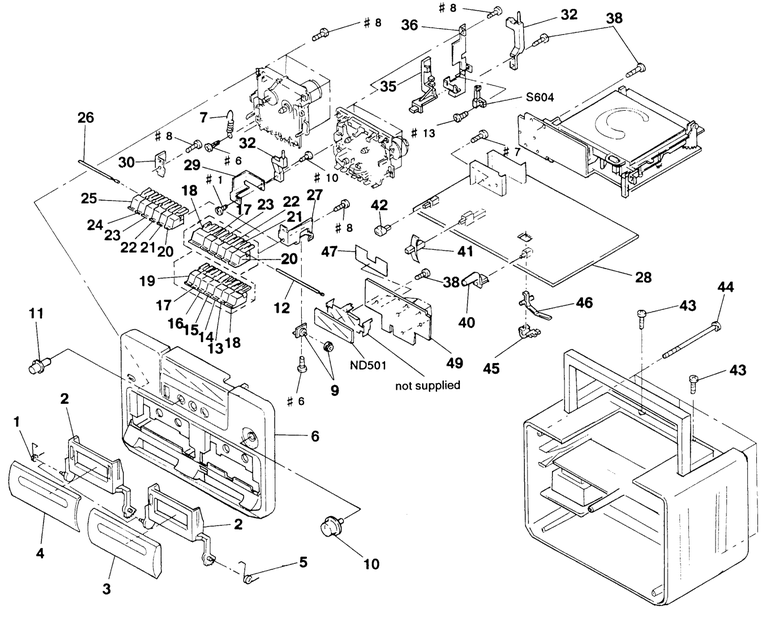
SECTION 7
EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KONB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

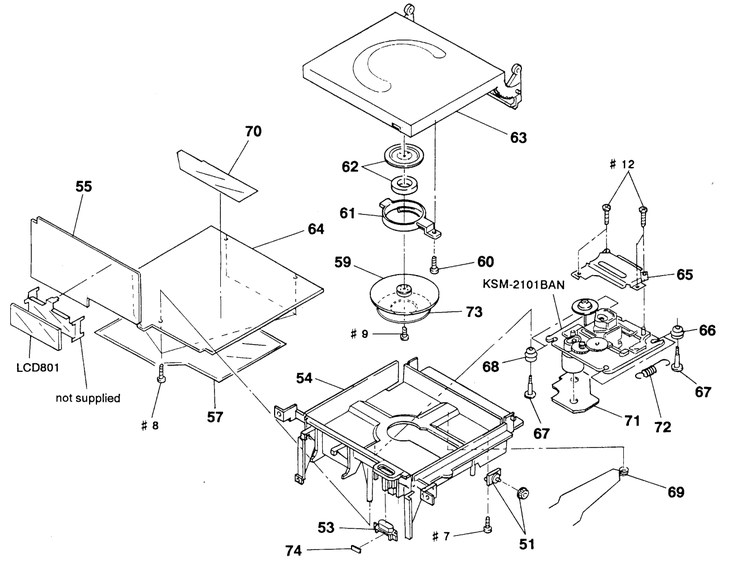
7-1. CABINET SECTION



Ref.No.	Part No.	Description	Remark
1	4-938-733-01	SPRING (TC) (A), UP	
2	4-938-712-01	HOLDER, CASSETTE	
3	X-3363-005-1	LID ASSY (46U-B), CASSETTE (755)	
3	X-3363-008-1	LID ASSY (46-A), CASSETTE (765)	
4	X-3363-006-1	LID ASSY (46U-A), CASSETTE	
5	4-938-757-01	SPRING (TC) (B), UP (765)	
6	X-3363-004-1	CABINET (FRONT) ASSY (45) (755)	
6	X-3363-007-1	CABINET (FRONT) ASSY (46) (765)	
7	3-362-512-01	SPRING, TENSION	
9	3-351-377-11	DAMPER	
10	4-938-767-01	KNOB (VOL)	
11	4-938-768-01	KNOB (GER)	
12	4-938-756-01	SHAFT (B), MD BUTTON	
13	4-938-742-01	BUTTON (PAUSE), 33 (765)	
14	4-938-741-01	BUTTON (FF), 33 (765)	
15	4-938-740-01	BUTTON (REW), 33 (765)	
16	4-938-739-01	BUTTON (PLAY), 33 (765)	
17	4-938-738-01	BUTTON (REC), 33 (765)	
17	4-938-770-01	BUTTON (REC), 45 (755)	
18	4-938-743-01	BUTTON (STOP/EJECT), 33 (765)	
18	4-938-773-01	BUTTON (STOP/EJECT), 45 (755)	
19	4-938-737-01	BUTTON (DIR), 33 (765)	
20	4-938-750-01	BUTTON (PAUSE), 45	
21	4-938-749-01	BUTTON (FF), 45	
22	4-938-748-01	BUTTON (REW), 45	
23	4-938-747-01	BUTTON (PLAY), 45	

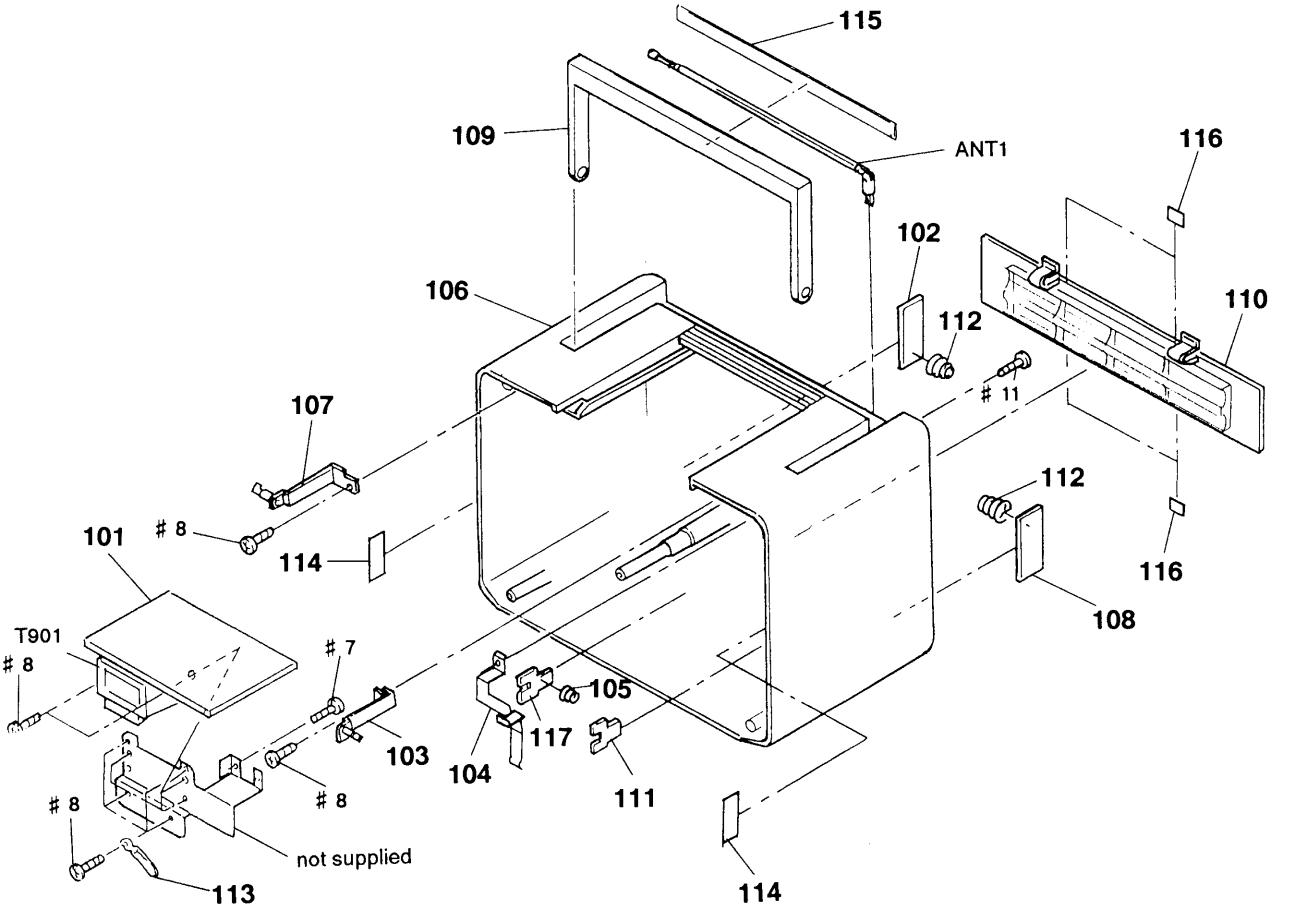
Ref.No.	Part No.	Description	Remark
24	4-938-751-01	BUTTON (HI-SPEED), 45	
25	4-938-746-01	BUTTON (STOP/EJECT-A), 45	
26	4-938-723-01	SHAFT (A), MD BUTTON	
27	4-938-721-01	RETAINER (A), BUTTON	
28	* A-3275-053-A	MAIN BOARD, COMPLETE (755:US)	
28	* A-3275-056-A	MAIN BOARD, COMPLETE (765:US)	
28	* A-3275-058-A	MAIN BOARD, COMPLETE (765:Canadian)	
29	* 4-938-752-01	BRACKET, REC ARM (765)	
30	4-938-722-01	RETAINER (B), BUTTON	
32	4-938-745-01	ARM (33), REC (765)	
32	4-938-772-01	ARM (45), REC (755)	
35	4-938-744-01	LEVER (DIR) (765)	
36	* 4-938-771-01	BRACKET (33), MD (765)	
36	* 4-938-784-01	BRACKET (45), MD (755)	
38	4-931-757-41	SCREW (DIA.2.6X10) (IT3B)	
40	4-938-718-01	BUTTON (SPACE SOUND)	
41	4-938-716-01	LEVER (FUNCTION)	
42	4-938-717-01	BUTTON (POWER)	
43	3-325-679-71	SCREW, TAPPING +BV 3X12	
44	4-918-246-01	SCREW (3X70), + BVTP	
45	3-322-316-01	BRACKET, REC LEVER	
46	3-322-317-01	LEVER, REC	
47	9-911-863-XX	PAPER (CD MAIN), SHIELD	
49	* A-3275-054-A	TU CONTROL BOARD, COMPLETE (755)	
49	* A-3275-057-A	TU CONTROL BOARD, COMPLETE (765)	
S604	1-572-394-11	SWITCH, LEAF (765)	

7-2. CD BLOCK ASSY SECTION



Ref.No.	Part No.	Description	Remark
51	3-351-377-11	DAMPER	
53	4-938-709-01	BUTTON, CD EJECT	
54	4-938-774-01	CABINET (UPPER)	
55	* A-3275-052-A	CD CONTROL BOARD, COMPLETE	
57	9-911-863-XX	PAPER (CD MAIN), SHIELD	
59	3-704-435-01	PLATE (M), CHUCK	
60	4-931-757-71	SCREW (DIA.2.6X6) (IT3B)	
61	4-938-708-01	HOLDER, CHUCKING	
62	1-452-531-11	MAGNET	
63	X-3362-640-2	LID ASSY, CD	
64	* A-3261-617-A	CD MAIN BOARD, COMPLETE	
65	* 4-928-936-01	COVER, CD	
66	4-922-858-01	DAMPER (BROWN)	
67	4-931-373-01	SCREW, CD FITTING	
68	4-922-858-11	DAMPER (BLUE)	
69	4-938-732-01	SPRING (CD), UP	
70	* 4-930-246-11	PAPER (CD MAIN) SHIELD	
71	* 1-639-243-11	CD MOTOR BOARD	
72	3-362-512-01	SPRING, TENSION	
73	3-363-573-01	WASHER	
74	3-343-396-01	SPACER	

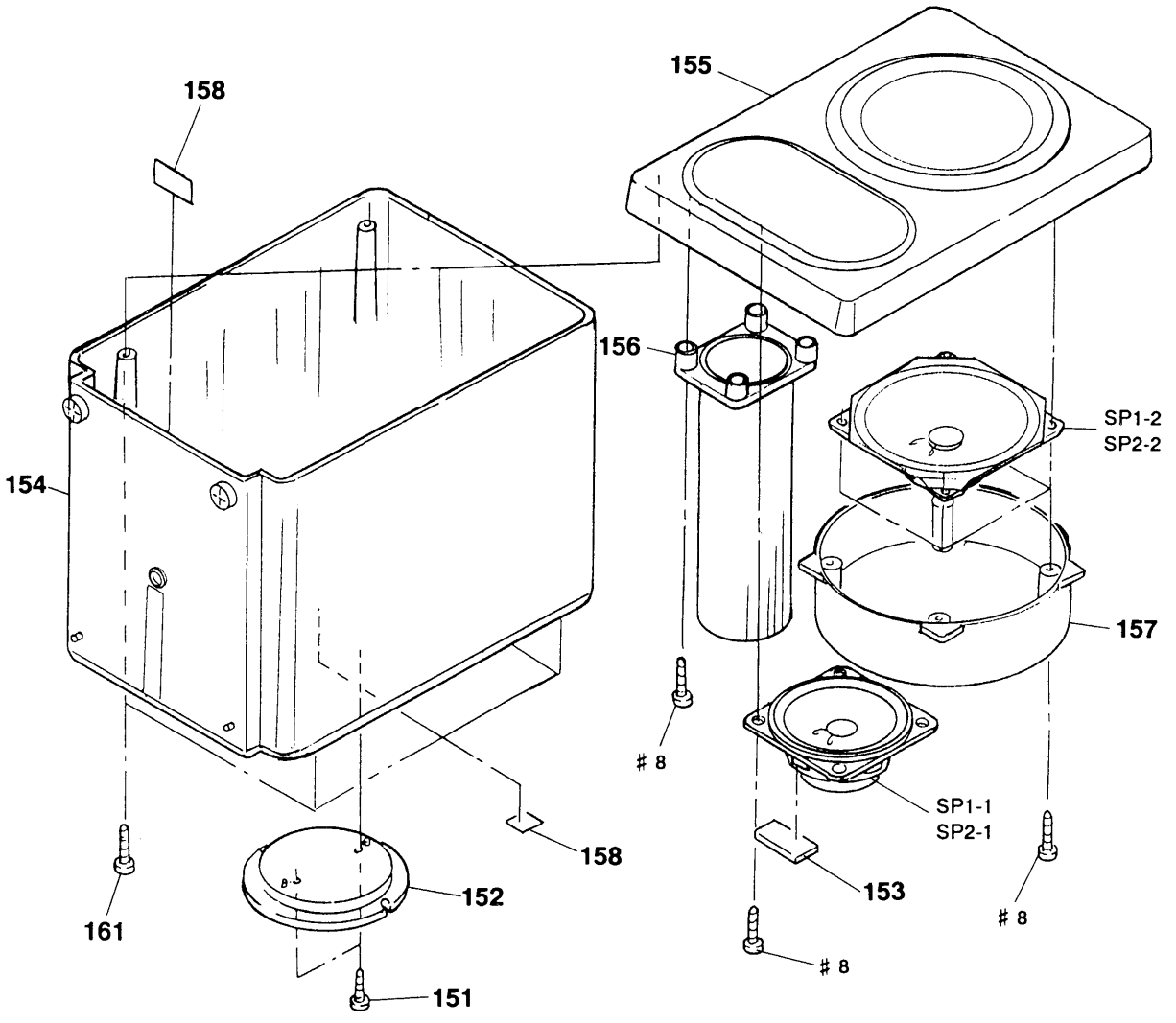
7-3. REAR CABINET SECTION



Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
101	* 1-635-272-11	POWER BOARD	
102	* 1-635-270-11	BATTERY (C) BOARD	
103	* X-4938-711-1	BRACKET (R) ASSY, HANDLE	
104	* 4-938-769-01	TERMINAL BOARD (A), ANT	
105	4-938-731-01	SPRING (B) BATTERY	
106	3-368-124-11	CABINET (REAR) (755)	
106	3-368-124-21	CABINET (REAR) (765)	
107	* X-4938-710-1	BRACKET (L) ASSY, HANDLE	
108	* 1-635-271-11	BATTERY (D) BOARD	
109	3-368-127-01	HANDLE	
110	4-938-711-01	LID, BATTERY CASE	
111	* 1-635-269-11	BATTERY (B) BOARD	
112	4-938-730-01	SPRING (A) BATTERY	
113	3-703-150-11	STOPPER, WIRING	
114	3-831-441-XX	CUSHION	
115	* 3-362-352-02	PLATE, BLIND, HAND	
116	9-911-837-XX	CUSHION	
117	* 1-635-268-11	BATTERY (A) BOARD	
ANT1	1-501-480-11	ANTENNA, TELESCOPIC	
T901	⚠ 1-450-466-11	TRANSFORMER, POWER	

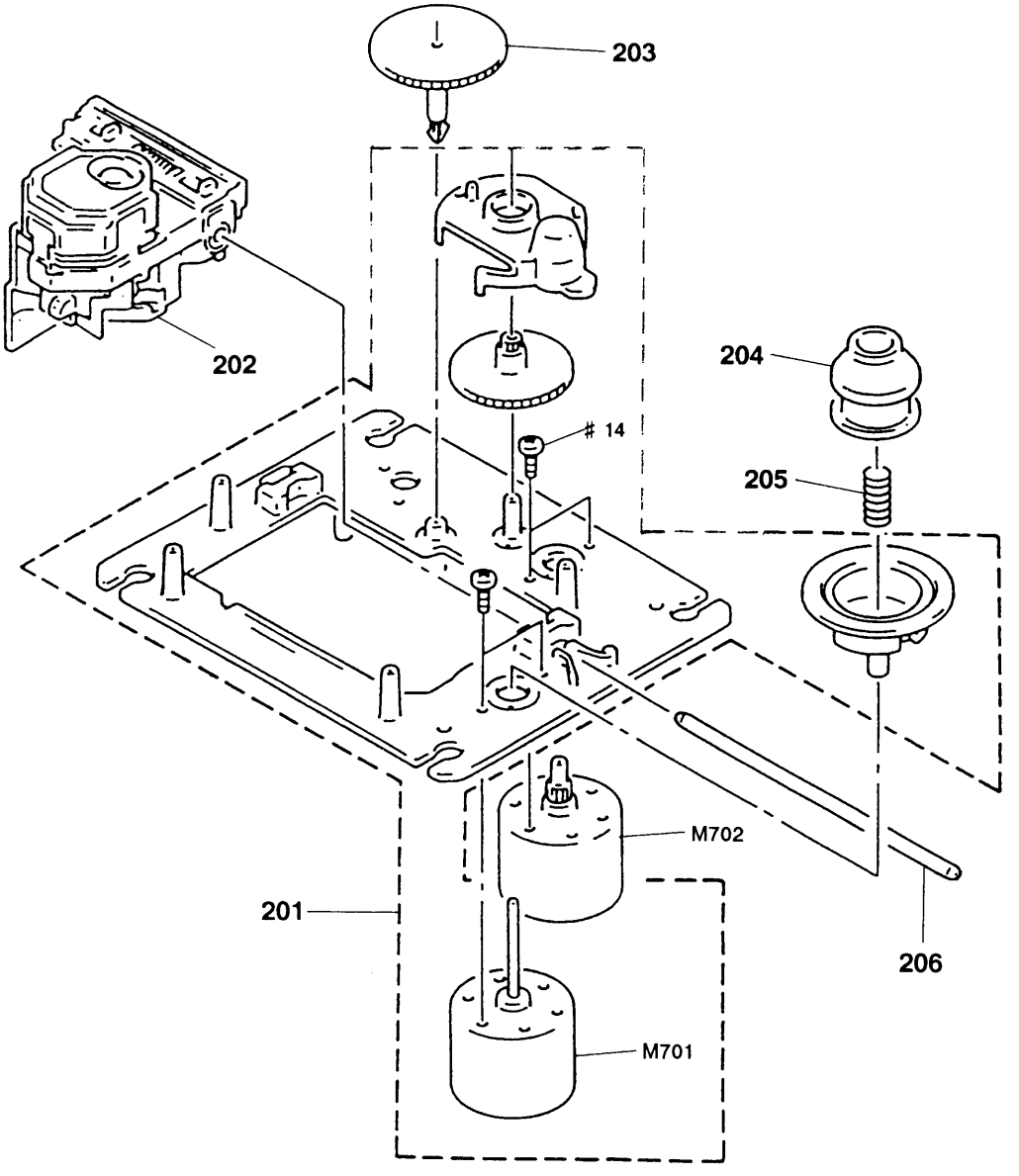
7-4. SPEAKER BOX SECTION



Ref. No.	Part No.	Description	Remark
151	3-325-679-71	SCREW, TAPPING +BV 3X12	
152	4-938-755-01	REEL, SP	
153	* 1-635-273-11	SP TERMINAL (R) BOARD	
153	* 1-635-274-11	SP TERMINAL (L) BOARD	
154	4-937-661-11	BOX (REAR) (R), SP (R channel)	
154	4-937-662-11	BOX (REAR) (L), SP (L channel)	
155	X-3362-963-1	SP (FRONT) (R) ASSY (R channel)	
155	X-3362-964-1	SP (FRONT) (L) ASSY (L channel)	

Ref. No.	Part No.	Description	Remark
156	* 4-938-705-01	DUCT, SP	
157	* 4-938-706-01	COVER, SP	
158	3-831-441-XX	CUSHION	
161	3-325-679-31	SCREW, TAPPING +BV 3X14	
SP1-1	1-503-867-21	SPEAKER	
SP1-2	1-544-345-11	SPEAKER	
SP2-1	1-503-867-21	SPEAKER	
SP2-2	1-544-345-11	SPEAKER	

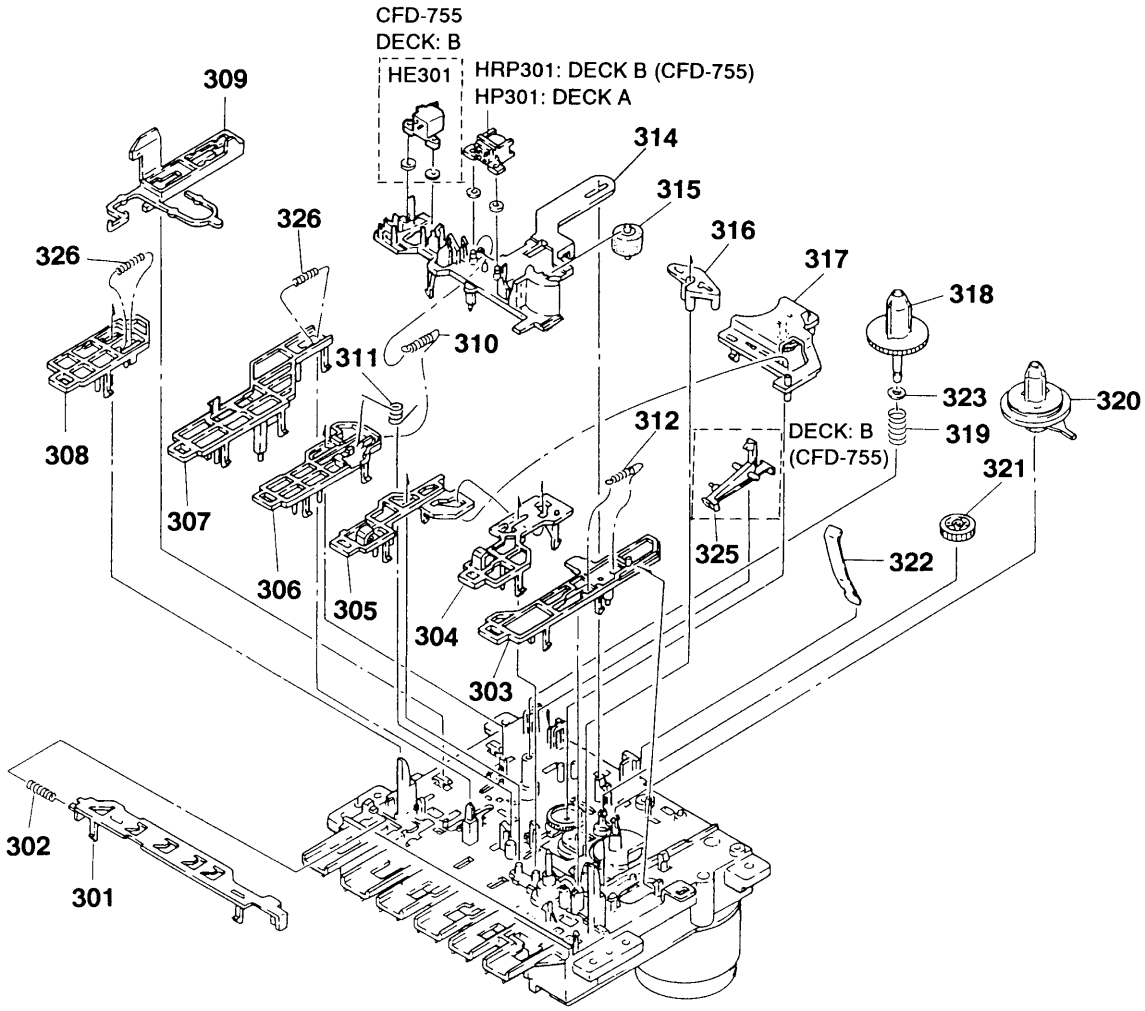
7-5. OPTICAL PICK-UP SECTION (KSM-2101BAN)



Ref. No.	Part No.	Description	Remark
201	* X-2625-133-1	CHASSIS ASSY (MB), T.T	
202	⚠ 8-848-137-11	DEVICE, OPTICAL KSS-210B) (RP)	
203	2-625-188-02	GEAR (A)	
204	2-625-186-01	RING (C), CENTER	
205	2-625-191-01	SPRING, COMPRESSION	
206	4-917-565-01	SHAFT, SLED	

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

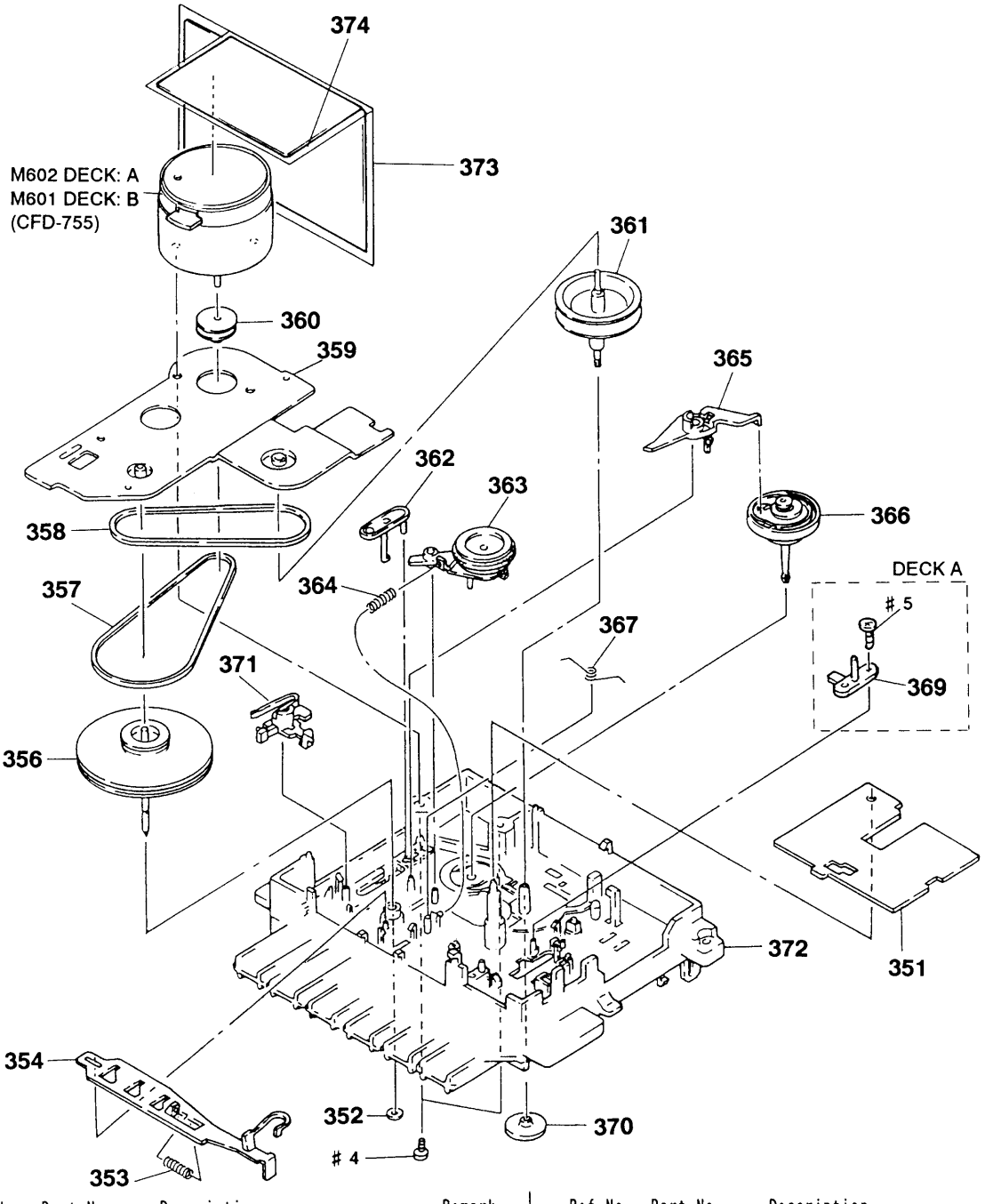
7-6. MECHANISM SECTION (1)
DECK A: MF-D750PB-64
DECK B: MF-D750RP-64 (CFD-755)



Ref. No.	Part No.	Description	Remark
301	4-932-695-01	SLIDER (FR), LOCK	
302	4-932-656-01	SPRING, COMPRESSION	
303	4-928-994-01	LEVER, PAUSE	
304	4-928-993-01	LEVER, FF	
305	4-928-992-01	LEVER, REW	
306	4-928-991-01	LEVER, PLAY	
307	4-921-195-01	LEVER (AC), REC	
308	4-928-985-01	LEVER, STOP	
309	4-936-206-01	SLIDER (S), EJECT	
310	4-928-972-01	SPRING, TENSION	
311	4-928-973-01	SPRING	
312	3-313-372-01	SPRING, TENSION	
314	4-921-196-01	DECK (AC), HEAD (755:DECK B)	
314	4-932-693-03	DECK (S), HEAD (DECK A)	

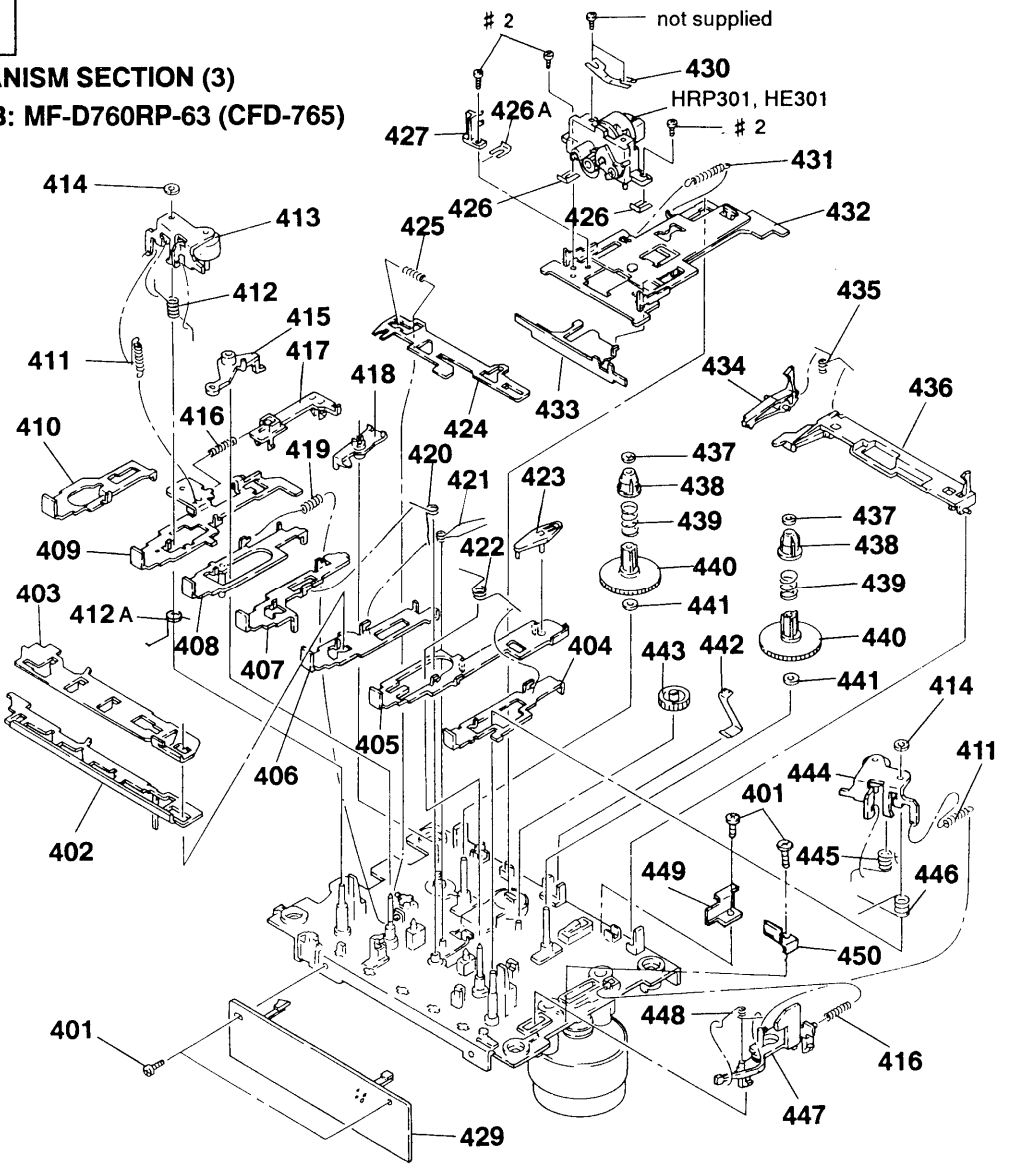
Ref. No.	Part No.	Description	Remark
315	4-928-962-01	PINCH ROLLER	
316	4-928-982-01	LEVER (C)	
317	X-4920-347-1	LEVER (S) ASSY, FR	
318	4-928-978-01	GEAR (C), SUPPLY REEL	
319	3-343-381-01	SPRING, COMPRESSION	
320	X-4920-350-1	GEAR (S) ASSY, T REEL	
321	3-343-285-01	GEAR, FF	
322	4-928-957-01	RETAINER, CASSETTE	
323	4-931-795-11	WASHER	
325	4-928-960-02	CLAW SAFETY (755:DECK B)	
326	4-932-648-01	SPRING, COMPRESSION	
HE301	1-543-535-11	HEAD, MAGNETIC (ERASE) (755:DECK B)	
HP301	1-543-714-11	HEAD, MAGNETIC (PB) (DECK A)	
HRP301	1-543-714-11	HEAD, MAGNETIC (REC/PB) (755:DECK B)	

7-7. MECHANISM SECTION (2)
DECK A: MF-D750PB-64
DECK B: MF-D750RP-64 (CFD-755)



Ref. No.	Part No.	Description	Remark
351	* 1-635-711-11	MD LEAF SW (A) BOARD (DECK A)	
351	* 1-635-712-12	MD LEAF SW (B) BOARD (755:DECK B)	
352	3-343-358-01	RING, RETAINING	
353	4-932-656-01	SPRING, COMPRESSION	
354	4-928-996-01	LEVER, SW	
356	X-4920-349-1	WHEEL (S) ASSY, CAPSTAN	
357	3-453-112-00	BELT (CAPSTAN)	
358	4-928-974-01	BELT (MIDWAY)	
359	* X-4918-598-1	PLATE ASSY, GROUND	
360	X-3326-704-1	PULLEY (H), MOTOR	
361	X-4918-580-1	PULLEY ASSY, FR	
362	4-928-961-01	PLATE, PAUSE LOCK	
363	X-4920-346-1	LEVER (S) ASSY, IDLER	
364	4-932-655-01	SPRING, COMPRESSION	
365	4-928-986-01	LEVER (S), SHUT-OFF	
366	X-4918-582-1	PLATE ASSY, TAKE-UP REEL	
367	4-928-958-01	SPRING, FR RETURN	
369	4-928-976-01	LEVER, SW (DECK A)	
370	4-928-967-01	GEAR (C), MIDWAY	
371	4-928-987-01	LEVER (T), SHUT-OFF	
372	* X-4918-579-1	CHASSIS ASSY, MECHANICAL	
373	3-366-138-01	PLATE (M.A), PROTECTION	
374	3-366-137-01	PLATE (M.B), PROTECTION	
M601	1-541-753-11	MOTOR, DC (EG-530KD-2B) (755:DECK B)	
M602	1-541-753-11	MOTOR, DC (EG-530KD-2B) (DECK A)	
M702	X-2625-132-1	GEAR ASSY (MB), MOTOR	

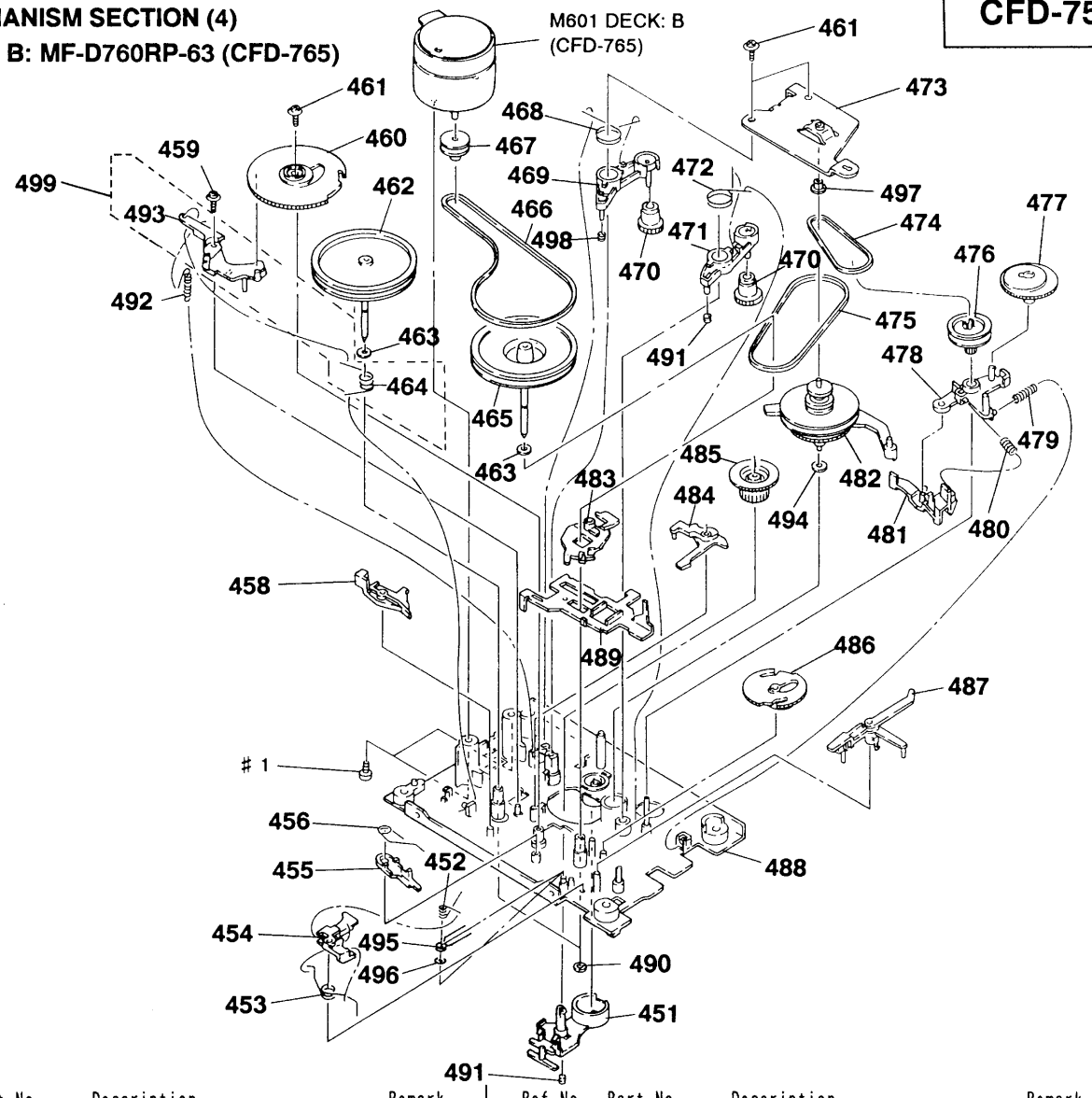
7-8. MECHANISM SECTION (3)
DECK B: MF-D760RP-63 (CFD-765)



Ref. No.	Part No.	Description	Remark
401	3-342-917-11	SCREW (IT3-C), TAPPING, + B	
402	* 4-930-461-01	LEVER, SW	
403	* 4-930-460-01	PLATE (AWS), LOCK	
404	* 4-930-455-11	LEVER, STOP	
405	* 4-930-458-11	LEVER, PAUSE	
406	* 4-930-482-11	LEVER (A), FF	
407	* 4-930-454-11	LEVER (A), REW	
408	* 4-930-456-11	LEVER, DIRECTION	
409	* 4-930-459-11	LEVER, REC	
410	* X-4918-591-1	LEVER ASSY, FWD	
411	4-930-450-01	SPRING, TENSION	
412	4-930-434-01	SPRING (R)	
412A	4-931-770-01	SPRING	
413	X-4918-589-1	PINCH ARM (R) ASSY	
414	4-932-626-11	RING, RETAINING	
415	4-930-417-01	LEVER, RELEASE, LOCK PLATE	
416	3-344-751-01	SPRING, COMPRESSION	
417	4-930-464-01	LEVER, DETECTION	
418	4-930-467-01	LEVER, CLAW DETECTION	
419	4-930-433-01	SPRING, COMPRESSION	
420	4-930-429-01	SPRING	
421	4-930-423-01	SPRING	
422	4-930-437-01	SPRING	
423	4-930-416-01	PLATE, LOCK, PAUSE	
424	* 4-930-457-01	LEVER, FR	
425	3-344-726-01	SPRING, COMPRESSION	
426	3-336-274-01	SHIM (0.1)	
426	3-336-274-11	SHIM (0.2)	
426	3-336-274-21	SHIM (0.3)	
426A	4-932-603-01	SHIM (0.1)	
426A	4-932-603-11	SHIM (0.2)	

Ref. No.	Part No.	Description	Remark
427	4-930-438-01	GUIDE, TAPE	
429	* 1-630-400-12	MD BOARD (765:DECK B)	
430	4-930-440-01	SPRING	
431	4-932-696-01	SPRING, TENSION	
432	* X-4918-595-1	BASE ASSY, HEAD	
433	* 4-930-471-01	SLIDER, HD SELECTION	
434	4-930-481-01	CLAW (A), ERASING PROTECTION	
435	4-930-451-01	SPRING	
436	4-930-480-01	CLAW (B), ERASING PROTECTION	
437	3-701-437-01	WASHER	
438	4-930-408-01	CLAW, REEL	
439	4-931-747-01	SPRING, COMPRESSION	
440	4-930-407-01	TABLE, REEL	
441	4-932-605-11	WASHER	
442	4-930-422-01	RETAINER, CASSETTE	
443	4-930-409-01	GEAR, MIDWAY	
444	X-4918-590-1	PINCH ARM (F) ASSY	
445	4-930-435-01	SPRING (F)	
446	4-930-428-01	SPRING	
447	4-930-463-01	LEVER (B), EJECT	
448	4-930-453-01	SPRING	
449	* 4-932-661-01	PLATE, FIXED	
450	* 4-932-606-01	RETAINER (33)	
HE301	A-3114-095-A	HEAD ASSY, ROTARY (765:DECK B)	
HRP301	A-3114-095-A	HEAD ASSY, ROTARY (765:DECK B)	

7-9. MECHANISM SECTION (4)
DECK B: MF-D760RP-63 (CFD-765)



Ref. No.	Part No.	Description	Remark
451	4-930-466-01	ARM, FWD	
452	4-932-645-01	SPRING (B)	
453	4-930-448-01	SPRING	
454	4-930-469-01	LEVER (A), DIRECTION	
455	4-930-465-01	LEVER, FWD LOCK	
456	4-931-748-01	SPRING	
458	4-930-415-01	LEVER, CR	
459	3-344-737-11	SCREW (B1.4X6), TAPPING	
460	4-930-476-01	GEAR, SET-UP	
461	3-344-729-01	SCREW (B2), TAPPING, WASHER HEAD	
462	X-4919-974-1	FLYWHEEL (F) ASSY	
463	3-701-437-81	WASHER	
464	3-344-081-01	SPRING	
465	X-4919-975-1	FLYWHEEL (R) ASSY	
466	3-337-704-01	BELT	
467	X-3344-021-1	PULLEY (W), MOTOR	
468	4-930-419-01	SPRING	
469	4-930-413-01	LEVER (B), FF	
470	4-930-411-01	GEAR (B), FR	
471	4-930-412-01	LEVER (B), REW	
472	4-930-420-01	SPRING	
473	* 4-930-969-01	BEARING, FR LIMITER	
474	3-306-816-00	BELT	
475	3-139-109-00	BELT	

Ref. No.	Part No.	Description	Remark
476	3-344-098-01	GEAR, S	
477	4-930-475-01	GEAR, S CAM	
478	4-930-474-01	LEVER, SHUT-OFF DETECTION	
479	3-344-751-01	SPRING, COMPRESSION	
480	3-344-060-01	SPRING, COMPRESSION	
481	4-930-468-01	LEVER, SHUT-OFF	
482	X-4918-586-1	LIMITER ASSY, FR	
483	4-930-470-01	LEVER (B), DIRECTION	
484	4-930-414-01	LEVER (B), PAUSE	
485	4-930-410-01	GEAR (B), FWD	
486	4-930-479-01	GEAR, D	
487	3-344-041-01	LEVER, MODE SELECTION	
488	X-4920-368-1	CHASSIS ASSY, MECHANICAL	
489	* 4-930-485-01	SLIDER, D	
490	3-343-358-12	RING, RETAINING	
491	4-931-752-11	SPACER	
492	4-931-765-01	SPRING, TENSION	
493	3-344-094-01	LEVER (B), FWD LIMITER	
494	3-701-437-01	WASHER	
495	4-931-764-01	SPRING	
496	* 4-920-369-01	RETAINER, THRUST	
497	3-322-566-01	BEARING, PULLEY	
498	* 4-936-243-01	SPACER (FF)	
499	X-4920-333-1	LEVER (B) ASSY, FWD LIMITER	
M601	1-541-754-11	MOTOR, DC (EG-530KD-2F) (765:DECK B)	

BATTERY (A) BATTERY (B) BATTERY (C) BATTERY (D) CD CONTROL

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- Items marked "＊" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

Ref. No.	Part No.	Description			Remark
	＊ 1-635-268-11	BATTERY (A) BOARD			
		**********			
	4-938-731-01	SPRING (B), BATTERY			
**********					
	＊ 1-635-269-11	BATTERY (B) BOARD			
		**********			
**********					
	＊ 1-635-270-11	BATTERY (C) BOARD			
		**********			
	4-938-730-01	SPRING (A), BATTERY			
**********					
	＊ 1-635-271-11	BATTERY (D) BOARD			
		**********			
	4-938-730-01	SPRING (A), BATTERY			
**********					
	＊ A-3275-052-A	CD CONTROL BOARD, COMPLETE			
		**********			
	1-519-676-11	ELEMENT, EL LUMINOUS			
		< CAPACITOR >			
C801	1-124-927-11	ELECT	4.7uF	20%	100V
C802	1-161-494-00	CERAMIC	0.022uF		25V
C803	1-161-494-00	CERAMIC	0.022uF		25V
C804	1-162-207-31	CERAMIC	22PF	5%	50V
C805	1-162-207-31	CERAMIC	22PF	5%	50V

Ref. No.	Part No.	Description			Remark
		< FILTER >			
CF801	1-567-818-21	VIBRATOR, CERAMIC			
		< CONNECTOR >			
CN802	＊ 1-566-968-11	HOUSING, CONNECTOR (PC BOARD) 6P			
CN803	＊ 1-566-970-11	HOUSING, CONNECTOR (PC BOARD) 8P			
CN804	＊ 1-565-980-11	HOUSING, CONNECTOR (PC BOARD) 9P			
		< DIODE >			
D801	8-719-911-19	DIODE 1SS119			
D802	8-719-911-19	DIODE 1SS119			
D803	8-719-911-19	DIODE 1SS119			
D807	8-719-911-19	DIODE 1SS119			
D808	8-719-911-19	DIODE 1SS119			
		< IC >			
IC801	8-752-819-99	IC CXP5078-065Q			
IC803	8-759-970-47	IC PST529J-T			
		< LCD >			
LCD801	1-809-019-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q801	8-729-900-63	TRANSISTOR DTA124ES			
Q805	8-729-173-38	TRANSISTOR 2SA733-K			
		< RESISTOR >			
R801	1-249-425-11	CARBON	4.7K	5%	1/4W
R802	1-249-425-11	CARBON	4.7K	5%	1/4W
R803	1-249-426-11	CARBON	5.6K	5%	1/4W
R804	1-249-425-11	CARBON	4.7K	5%	1/4W
R805	1-249-425-11	CARBON	4.7K	5%	1/4W

CD CONTROL | CD MAIN

Ref. No.	Part No.	Description				Remark
R806	1-249-425-11	CARBON	4.7K	5%	1/4W	
R807	1-249-405-11	CARBON	100	5%	1/4W	
R809	1-247-883-00	CARBON	150K	5%	1/4W	
R810	1-247-883-00	CARBON	150K	5%	1/4W	
R811	1-247-883-00	CARBON	150K	5%	1/4W	
R812	1-247-883-00	CARBON	150K	5%	1/4W	
R813	1-247-883-00	CARBON	150K	5%	1/4W	
R815	1-249-433-11	CARBON	22K	5%	1/4W	
R816	1-249-418-11	CARBON	1.2K	5%	1/4W	
R817	1-249-420-11	CARBON	1.8K	5%	1/4W	
R820	1-249-418-11	CARBON	1.2K	5%	1/4W	
R821	1-249-420-11	CARBON	1.8K	5%	1/4W	
R822	1-249-423-11	CARBON	3.3K	5%	1/4W	
R823	1-249-428-11	CARBON	8.2K	5%	1/4W	
R824	1-249-418-11	CARBON	1.2K	5%	1/4W	
R825	1-249-420-11	CARBON	1.8K	5%	1/4W	
R826	1-249-423-11	CARBON	3.3K	5%	1/4W	
R827	1-249-428-11	CARBON	8.2K	5%	1/4W	
R828	1-249-418-11	CARBON	1.2K	5%	1/4W	
R829	1-249-420-11	CARBON	1.8K	5%	1/4W	
R830	1-249-423-11	CARBON	3.3K	5%	1/4W	
R831	1-249-428-11	CARBON	8.2K	5%	1/4W	
R832	1-249-418-11	CARBON	1.2K	5%	1/4W	
R833	1-249-420-11	CARBON	1.8K	5%	1/4W	
R834	1-249-423-11	CARBON	3.3K	5%	1/4W	
R835	1-249-428-11	CARBON	8.2K	5%	1/4W	
R836	1-249-418-11	CARBON	1.2K	5%	1/4W	
R837	1-249-420-11	CARBON	1.8K	5%	1/4W	
R838	1-249-423-11	CARBON	3.3K	5%	1/4W	
R839	1-249-428-11	CARBON	8.2K	5%	1/4W	
R842	1-247-891-00	CARBON	330K	5%	1/4W	
R845	1-249-429-11	CARBON	10K	5%	1/4W	
R846	1-247-891-00	CARBON	330K	5%	1/4W	
R850	1-247-891-00	CARBON	330K	5%	1/4W	
R851	1-247-891-00	CARBON	330K	5%	1/4W	

< SWITCH >

S803	1-553-856-00	SWITCH, KEY BOARD	(STOP)
S804	1-553-856-00	SWITCH, KEY BOARD	(PAUSE)
S805	1-553-856-00	SWITCH, KEY BOARD	(PLAY)
S806	1-553-856-00	SWITCH, KEY BOARD	(SEND DOWN)
S807	1-553-856-00	SWITCH, KEY BOARD	(SEND UP)
S808	1-553-856-00	SWITCH, KEY BOARD	(INTRO SCAN)
S809	1-553-856-00	SWITCH, KEY BOARD	(PGM CHECK)
S810	1-553-856-00	SWITCH, KEY BOARD	(+10)
S811	1-553-856-00	SWITCH, KEY BOARD	(CLOCK)
S812	1-553-856-00	SWITCH, KEY BOARD	(TIMER)
S813	1-553-856-00	SWITCH, KEY BOARD	(SLEEP)
S814	1-553-856-00	SWITCH, KEY BOARD	(STAND BY)
S815	1-553-856-00	SWITCH, KEY BOARD	(DISPLAY)
S816	1-553-856-00	SWITCH, KEY BOARD	(PGM CLEAR EDIT)
S817	1-553-856-00	SWITCH, KEY BOARD	(AUTO SPACE)
S818	1-553-856-00	SWITCH, KEY BOARD	(REPEAT 1/ALL)
S819	1-553-856-00	SWITCH, KEY BOARD	(PRG/SHUFF)
S820	1-553-856-00	SWITCH, KEY BOARD	(1)
S821	1-553-856-00	SWITCH, KEY BOARD	(2)
S822	1-553-856-00	SWITCH, KEY BOARD	(3)
S823	1-553-856-00	SWITCH, KEY BOARD	(4)
S824	1-553-856-00	SWITCH, KEY BOARD	(5)
S825	1-553-856-00	SWITCH, KEY BOARD	(6)
S826	1-553-856-00	SWITCH, KEY BOARD	(7)
S827	1-553-856-00	SWITCH, KEY BOARD	(8)
S828	1-553-856-00	SWITCH, KEY BOARD	(9)
S829	1-553-856-00	SWITCH, KEY BOARD	(0)

< CRYSTAL >

XF801	1-567-098-00	CRYSTAL (32.768KHz)

****

* A-3261-617-A CD MAIN BOARD, COMPLETE
****

* 4-930-246-11 PAPER (N), SHIELD
9-911-863-XX PAPER (CD MAIN), SHIELD

< CAPACITOR >

C700	1-136-173-00	FILM	0.47uF	5%	50V
C701	1-124-443-00	ELECT	100uF	20%	10V
C702	1-124-034-51	ELECT	33uF	20%	16V
C703	1-124-034-51	ELECT	33uF	20%	16V
C704	1-136-165-00	FILM	0.1uF	5%	50V
C705	1-136-165-00	FILM	0.1uF	5%	50V
C706	1-124-907-11	ELECT	10uF	20%	50V
C707	1-124-927-11	ELECT	4.7uF	20%	50V
C708	1-130-489-00	MYLAR	0.033uF	5%	50V
C709	1-123-382-00	ELECT	3.3uF	20%	100V
C710	1-136-165-00	FILM	0.1uF	5%	50V
C711	1-130-493-00	MYLAR	0.068uF	5%	50V
C712	1-124-477-11	ELECT	47uF	20%	25V
C713	1-162-851-11	CERAMIC	0.1uF		16V
C714	1-162-215-31	CERAMIC	47PF	5%	50V
C716	1-130-489-00	MYLAR	0.033uF	5%	50V
C717	1-124-126-00	ELECT	47uF	20%	10V
C718	1-161-379-00	CERAMIC	0.01uF	20%	25V
C719	1-130-489-00	MYLAR	0.033uF	5%	50V
C720	1-130-475-00	MYLAR	0.0022uF	5%	50V

CD MAIN

Ref. No.	Part No.	Description			Remark
C721	1-161-494-00	CERAMIC	0.022uF		25V
C722	1-161-379-00	CERAMIC	0.01uF	20%	25V
C723	1-162-294-31	CERAMIC	0.001uF	10%	50V
C724	1-130-489-00	MYLAR	0.033uF	5%	50V
C725	1-136-165-00	FILM	0.1uF	5%	50V
C726	1-162-294-31	CERAMIC	0.001uF	10%	50V
C727	1-130-491-00	MYLAR	0.047uF	5%	50V
C728	1-161-374-11	CERAMIC	0.0015uF	20%	50V
C729	1-136-173-00	FILM	0.47uF	5%	50V
C730	1-161-379-00	CERAMIC	0.01uF	20%	25V
C731	1-162-206-31	CERAMIC	20PF	5%	50V
C732	1-162-206-31	CERAMIC	20PF	5%	50V
C733	1-124-902-00	ELECT	0.47uF	20%	50V
C734	1-124-907-11	ELECT	10uF	20%	50V
C735	1-124-034-51	ELECT	33uF	20%	16V
C736	1-124-477-11	ELECT	47uF	20%	25V
C737	1-161-375-00	MYLAR	0.0022uF	5%	50V
C745	1-124-034-51	ELECT	33uF	20%	16V
C746	1-124-477-11	ELECT	47uF	20%	25V
C747	1-161-375-00	MYLAR	0.0022uF	5%	50V
C753	1-136-173-00	FILM	0.47uF	5%	50V
C754	1-161-379-00	CERAMIC	0.01uF	20%	25V
C755	1-161-379-00	CERAMIC	0.01uF	20%	25V
C757	1-136-173-00	FILM	0.47uF	5%	50V
C760	1-162-851-11	CERAMIC	0.1uF		16V
C761	1-124-604-00	ELECT	330uF	20%	10V
C762	1-124-473-11	ELECT	1000uF	20%	10V
C770	1-124-477-11	ELECT	47uF	20%	25V
C771	1-161-060-00	CERAMIC	0.056uF	10%	25V
C773	1-161-329-00	CERAMIC	0.0068uF	20%	16V
C774	1-136-161-00	FILM	0.047uF	5%	50V
C776	1-162-294-31	CERAMIC	0.001uF	10%	50V
C777	1-162-294-31	CERAMIC	0.001uF	10%	50V
C779	1-161-379-00	CERAMIC	0.01uF	20%	25V
C791	1-124-471-00	ELECT	1000uF	20%	6.3V
C792	1-124-239-00	ELECT	6.9uF	20%	10V
C793	1-130-489-00	MYLAR	0.033uF	5%	50V
C795	1-124-604-00	ELECT	330uF	20%	10V

< CONNECTOR >

CN701	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P
CN702	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P
CN703	* 1-506-988-11	PIN, CONNECTOR (PC BOARD)	6P
CN705	* 1-506-996-11	PIN, CONNECTOR (PC BOARD)	14P
CN709	* 1-566-971-11	PIN, CONNECTOR (PC BOARD)	6P
CN710	* 1-566-973-11	PIN, CONNECTOR (PC BOARD)	8P
CN711	* 1-568-454-11	PIN, CONNECTOR (PC BOARD)	9P
CN790	* 1-506-998-21	PIN, CONNECTOR (PC BOARD)	2P
CN791	* 1-506-998-11	PIN, CONNECTOR (PC BOARD)	2P
CN792	* 1-506-998-11	PIN, CONNECTOR (PC BOARD)	2P

Ref. No.	Part No.	Description	Remark

< DIODE >

D706	8-719-911-19	DIODE	1SS119
D707	8-719-911-19	DIODE	1SS119

< IC >

IC701	8-752-039-03	IC	CXA1421M
IC702	8-752-050-82	IC	CXA1372Q
IC703	8-752-337-26	IC	CXD2500AQ
IC704	8-759-148-30	IC	uPD6376GS
IC705	8-759-503-98	IC	SM5840DS
IC706	8-759-518-59	IC	BA6296FP

< INDUCTOR >

L702	1-410-968-21	INDUCTOR	3.3uH
L791	1-410-979-11	INDUCTOR	220uH

< TRANSISTOR >

Q701	8-729-801-84	TRANSISTOR	2SB1013
Q702	8-729-900-63	TRANSISTOR	DTA124ES
Q703	8-729-904-39	TRANSISTOR	DTC114TS
Q704	8-729-902-80	TRANSISTOR	DTA114YS
Q705	8-729-202-56	TRANSISTOR	2SA950-Y
Q731	8-729-905-50	TRANSISTOR	DTC343TS
Q741	8-729-905-50	TRANSISTOR	DTC343TS
Q791	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q804	8-729-900-36	TRANSISTOR	DTC124ES

< RESISTOR >

R700	1-247-806-11	CARBON	91	5%	1/4W
R701	1-249-397-11	CARBON	22	5%	1/4W
R702	1-249-433-11	CARBON	22K	5%	1/4W
R705	1-249-441-11	CARBON	100K	5%	1/4W
R706	1-249-438-11	CARBON	56K	5%	1/4W
R707	1-247-885-00	CARBON	180K	5%	1/4W
R708	1-247-854-11	CARBON	9.1K	5%	1/4W
R709	1-249-437-11	CARBON	47K	5%	1/4W
R710	1-249-417-11	CARBON	1K	5%	1/4W
R711	1-247-894-11	CARBON	430K	5%	1/4W
R712	1-247-881-00	CARBON	120K	5%	1/4W
R713	1-249-429-11	CARBON	10K	5%	1/4W
R714	1-249-417-11	CARBON	1K	5%	1/4W
R715	1-247-887-00	CARBON	220K	5%	1/4W
R716	1-249-429-11	CARBON	10K	5%	1/4W
R717	1-247-838-00	CARBON	2K	5%	1/4W
R718	1-247-881-00	CARBON	120K	5%	1/4W
R719	1-247-838-00	CARBON	2K	5%	1/4W
R720	1-247-856-00	CARBON	11K	5%	1/4W
R721	1-249-441-11	CARBON	100K	5%	1/4W
R722	1-249-441-11	CARBON	100K	5%	1/4W
R723	1-249-441-11	CARBON	100K	5%	1/4W
R724	1-249-417-11	CARBON	1K	5%	1/4W
R725	1-249-433-11	CARBON	22K	5%	1/4W
R726	1-249-417-11	CARBON	1K	5%	1/4W

CD MAIN | CD MOTOR | MAIN

Ref.No.	Part No.	Description			Remark
R727	1-249-441-11	CARBON	100K	5% 1/4W	
R729	1-249-417-11	CARBON	1K	5% 1/4W	
R730	1-249-417-11	CARBON	1K	5% 1/4W	
R731	1-249-417-11	CARBON	1K	5% 1/4W	
R737	1-247-887-00	CARBON	220K	5% 1/4W	
R741	1-249-417-11	CARBON	1K	5% 1/4W	
R761	1-249-435-11	CARBON	33K	5% 1/4W	
R762	1-249-432-11	CARBON	18K	5% 1/4W	
R763	1-249-429-11	CARBON	10K	5% 1/4W	
R764	1-249-435-11	CARBON	33K	5% 1/4W	
R765	1-247-848-11	CARBON	5.1K	5% 1/4W	
R766	1-249-437-11	CARBON	47K	5% 1/4W	
R769	1-249-395-11	CARBON	15	5% 1/4W	
R770	1-249-417-11	CARBON	1K	5% 1/4W	
R778	1-247-887-00	CARBON	220K	5% 1/4W	
R791	1-249-428-11	CARBON	8.2K	5% 1/4W	
R792	1-249-404-00	CARBON	82	5% 1/4W	
R846	1-249-429-11	CARBON	10K	5% 1/4W	
		< VARIABLE RESISTOR >			
RV701	1-241-040-21	RES, ADJ, CARBON 22K (E-F BALANCE)			
RV702	1-237-288-11	RES, ADJ, CARBON 47K (FOCUS BIAS)			
RV703	1-241-040-21	RES, ADJ, CARBON 22K (FE)			
RV704	1-241-040-21	RES, ADJ, CARBON 22K (TRK-GAIN)			
		< SWITCH >			
S801	1-570-822-21	SWITCH, LEAF (OPEN/CLOSE)			
		< TRANSFORMER >			
T791	1-450-562-11	TRANSFORMER, INVERTER			
		< VIBRATOR >			
XF701	1-567-908-11	VIBRATOR, CRYSTAL (16.9344MHz)			
		**********			
*	1-639-243-11	CD MOTOR BOARD			
		**********			
*	3-368-054-01	PIN (UX-50), GROUND			
		< CONNECTOR >			
CN717	* 1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P			
		< SWITCH >			
S802	1-570-822-21	SWITCH, LEAF			

Ref.No.	Part No.	Description			Remark
*	A-3275-053-A	MAIN BOARD, COMPLETE (755:US)			
*	A-3275-056-A	MAIN BOARD, COMPLETE (765:US)			
*	A-3275-058-A	MAIN BOARD, COMPLETE (765:Canadian)			
		**********			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3			
		< CAPACITOR >			
C1	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C2	1-162-294-31	CERAMIC	0.001uF	10% 50V	
C3	1-124-472-11	ELECT	470uF	20% 10V	
C4	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C5	1-162-195-31	CERAMIC	4.7PF	10% 50V	
C6	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C7	1-162-187-31	CERAMIC	1PF	20% 50V	
C8	1-162-205-31	CERAMIC	18PF	5% 50V	
C9	1-162-206-31	CERAMIC	20PF	5% 50V	
C10	1-101-059-00	CERAMIC	510PF	5% 50V	
C11	1-162-190-31	CERAMIC	1.8PF	20% 50V	
C12	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C13	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C14	1-124-925-11	ELECT	2.2uF	20% 100V	
C15	1-124-443-00	ELECT	100uF	20% 10V	
C16	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C18	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C19	1-124-927-11	ELECT	4.7uF	20% 100V	
C20	1-124-903-11	ELECT	1uF	20% 50V	
C21	1-124-477-11	ELECT	47uF	20% 25V	
C22	1-124-477-11	ELECT	47uF	20% 25V	
C23	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C24	1-124-902-00	ELECT	0.47uF	20% 50V	
C25	1-124-902-00	ELECT	0.47uF	20% 50V	
C26	1-161-051-00	CERAMIC	0.01uF	10% 50V	
C27	1-161-051-00	CERAMIC	0.01uF	10% 50V	
C28	1-124-903-11	ELECT	1uF	20% 50V	
C29	1-124-902-00	ELECT	0.47uF	20% 50V	
C30	1-124-927-11	ELECT	4.7uF	20% 100V	
C31	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C32	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C33	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C34	1-162-294-31	CERAMIC	0.001uF	10% 50V	
C35	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C36	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C37	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C38	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C39	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C40	1-162-282-31	CERAMIC	100PF	10% 50V	
C41	1-161-379-00	CERAMIC	0.01uF	20% 25V	
C42	1-162-282-31	CERAMIC	100PF	10% 50V	
C101	1-162-292-31	CERAMIC	680PF	10% 50V	

MAIN

Ref. No.	Part No.	Description				Remark
C102	1-162-290-31	CERAMIC	470PF	10%	50V	(755)
C102	1-162-292-31	CERAMIC	680PF	10%	50V	(765)
C103	1-162-290-31	CERAMIC	470PF	10%	50V	
C104	1-162-286-31	CERAMIC	220PF	10%	50V	
C105	1-124-477-11	ELECT	47uF	20%	25V	
C106	1-161-054-00	CERAMIC	0.018uF	10%	25V	
C107	1-124-903-11	ELECT	1uF	20%	50V	
C110	1-124-903-11	ELECT	1uF	20%	50V	
C111	1-161-374-11	CERAMIC	0.0015uF	20%	50V	
C112	1-124-477-11	ELECT	47uF	20%	25V	
C113	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C114	1-162-292-31	CERAMIC	680PF	10%	50V	(755)
C114	1-162-293-31	CERAMIC	820PF	10%	50V	(765)
C116	1-124-903-11	ELECT	1uF	20%	50V	
C117	1-162-282-31	CERMIC	100PF	10%	50V	
C120	1-124-903-11	ELECT	1uF	20%	50V	
C121	1-130-483-00	MYLAR	0.01uF	5%	50V	
C122	1-130-480-00	MYLAR	0.0056uF	5%	50V	
C123	1-130-482-00	MYLAR	0.0082uF	5%	50V	
C124	1-130-476-00	MYLAR	0.0027uF	5%	50V	
C126	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C130	1-162-207-31	CERAMIC	22PF	5%	50V	
C131	1-124-903-11	ELECT	1uF	20%	50V	
C140	1-124-903-11	ELECT	1uF	20%	50V	
C144	1-162-193-31	CERAMIC	3.3PF	10%	50V	
C145	1-124-903-11	ELECT	1uF	20%	50V	
C146	1-161-327-00	CERAMIC	0.0033uF	20%	16V	
C147	1-124-477-11	ELECT	47uF	20%	25V	
C148	1-164-073-11	CERAMIC	100PF	10%	50V	
C160	1-161-374-11	CERAMIC	0.0015uF	20%	50V	
C161	1-130-491-00	MYLAR	0.047uF	5%	50V	
C162	1-124-902-00	ELECT	0.47uF	20%	50V	
C163	1-124-477-11	ELECT	47uF	20%	25V	
C164	1-124-477-11	ELECT	47uF	20%	25V	
C166	1-136-173-00	FILM	0.47uF	5%	50V	
C167	1-124-360-00	ELECT	1000uF	20%	16V	
C168	1-162-282-31	CERAMIC	100PF	10%	50V	
C169	1-162-285-31	CERAMIC	180PF	10%	50V	
C170	1-162-290-31	CERAMIC	470PF	10%	50V	
C171	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C201	1-162-292-31	CERAMIC	680PF	10%	50V	
C202	1-162-290-31	CERAMIC	470PF	10%	50V	(755)
C202	1-162-292-31	CERAMIC	680PF	10%	50V	(765)
C203	1-162-286-31	CERAMIC	220PF	10%	50V	
C204	1-162-286-31	CERAMIC	220PF	10%	50V	
C205	1-124-477-11	ELECT	47uF	20%	25V	
C206	1-161-054-00	CERAMIC	0.018uF	10%	25V	

Ref. No.	Part No.	Description				Remark
C207	1-124-903-11	ELECT	1uF	20%	50V	
C210	1-124-903-11	ELECT	1uF	20%	50V	
C211	1-161-374-11	CERAMIC	0.0015uF	20%	50V	
C212	1-124-477-11	ELECT	47uF	20%	25V	
C213	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C214	1-162-292-31	CERAMIC	680PF	10%	50V	(755)
C214	1-162-293-31	CERAMIC	820PF	10%	50V	(765)
C216	1-124-903-11	ELECT	1uF	20%	50V	
C217	1-162-282-31	CERAMIC	100PF	10%	50V	
C220	1-124-903-11	ELECT	1uF	20%	50V	
C221	1-130-483-00	MYLAR	0.01uF	5%	50V	
C222	1-130-480-00	MYLAR	0.0056uF	5%	50V	
C223	1-130-482-00	MYLAR	0.0082uF	5%	50V	
C224	1-130-476-00	MYLAR	0.0027uF	5%	50V	
C226	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C230	1-162-207-31	CERAMIC	22PF	5%	50V	
C231	1-124-903-11	ELECT	1uF	20%	50V	
C240	1-124-903-11	ELECT	1uF	20%	50V	
C244	1-162-193-31	CERAMIC	3.3PF	10%	50V	
C245	1-124-903-11	ELECT	1uF	20%	50V	
C246	1-161-327-00	CERAMIC	0.0033uF	20%	16V	
C247	1-124-477-11	ELECT	47uF	20%	25V	
C248	1-162-282-31	CERAMIC	100PF	10%	50V	
C260	1-161-374-11	CERAMIC	0.0015uF	20%	50V	
C261	1-130-491-00	MYLAR	0.047uF	5%	50V	
C262	1-124-902-00	ELECT	0.47uF	20%	50V	
C263	1-124-477-11	ELECT	47uF	20%	25V	
C264	1-124-477-11	ELECT	47uF	20%	25V	
C266	1-136-173-00	FILM	0.47uF	5%	50V	
C267	1-124-360-00	ELECT	1000uF	20%	16V	
C268	1-162-282-31	CERAMIC	100PF	10%	50V	
C269	1-162-285-31	CERAMIC	180PF	10%	50V	
C270	1-162-290-31	CERAMIC	470PF	10%	50V	
C271	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C301	1-130-467-00	MYLAR	470PF	5%	50V	
C302	1-130-471-00	MYLAR	0.001uF	5%	50V	
C303	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C304	1-130-479-00	MYLAR	0.0047uF	5%	50V	
C305	1-124-907-11	ELECT	10uF	20%	50V	
C306	1-130-483-00	MYLAR	0.01uF	5%	50V	
C307	1-130-481-00	MYLAR	0.0068uF	5%	50V	
C308	1-124-907-11	ELECT	10uF	20%	50V	
C310	1-124-477-11	ELECT	47uF	20%	25V	
C311	1-124-477-11	ELECT	47uF	20%	25V	
C312	1-124-443-00	ELECT	100uF	20%	10V	
C313	1-126-233-11	ELECT	22uF	20%	50V	
C320	1-124-927-11	ELECT	4.7uF	20%	100V	

MAIN

Ref. No.	Part No.	Description				Remark
C322	1-124-443-00	ELECT	100uF	20%	10V	
C323	1-124-927-11	ELECT	4.7uF	20%	100V	
C324	1-124-477-11	ELECT	47uF	20%	25V	
C330	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C331	1-124-902-00	ELECT	0.47uF	20%	50V	
C333	1-126-101-11	ELECT	100uF	20%	16V	
C334	1-124-477-11	ELECT	47uF	20%	25V	
C341	1-124-477-11	ELECT	47uF	20%	25V	
C342	1-124-477-11	ELECT	47uF	20%	25V	
C350	1-126-101-11	ELECT	100uF	20%	16V	
C351	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C352	1-124-636-00	ELECT	3300uF	20%	25V	
C360	1-161-021-11	CERAMIC	0.047uF	10%	25V	
C361	1-162-219-31	CERAMIC	68PF	5%	50V	
C362	1-124-443-00	ELECT	100uF	20%	10V	
C363	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C364	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C365	1-124-477-11	ELECT	47uF	20%	25V	
C366	1-124-477-11	ELECT	47uF	20%	25V	
C367	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C368	1-161-494-00	CERAMIC	0.022uF		25V	
C369	1-161-494-00	CERAMIC	0.022uF		25V	
C371	1-124-477-11	ELECT	47uF	20%	25V	
C372	1-124-443-00	ELECT	100uF	20%	10V	
C373	1-124-120-11	ELECT	220uF	20%	25V	
C374	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C375	1-161-379-00	CERAMIC	0.01uF	20%	25V	
C376	1-124-907-11	ELECT	10uF	20%	50V	
C377	1-136-171-00	FILM	0.33uF	5%	50V	
C378	1-136-171-00	FILM	0.33uF	5%	50V	
C381	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C382	1-124-443-00	ELECT	100uF	20%	10V	
C384	1-136-161-00	FILM	0.047uF	5%	50V	
C385	1-136-156-00	FILM	0.018uF	5%	50V	
C386	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C387	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C388	1-130-470-00	MYLAR	820PF	5%	50V	(755)
C389	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C601	1-162-282-31	CERAMIC	100PF	10%	50V	(765)
C602	1-162-282-31	CERAMIC	100PF	10%	50V	(765)
C603	1-161-379-00	CERAMIC	0.01uF	20%	25V	(765)
C604	1-161-379-00	CERAMIC	0.01uF	20%	25V	(765)
C605	1-161-379-00	CERAMIC	0.01uF	20%	25V	(765)
C606	1-161-379-00	CERAMIC	0.01uF	20%	25V	(765)
C607	1-161-379-00	CERAMIC	0.01uF	20%	25V	(765)
C608	1-126-176-11	ELECT	220uF	20%	10V	(765)
C609	1-161-379-00	CERAMIC	0.01uF	20%	25V	(765)
C610	1-136-169-00	FILM	0.22uF	5%	50V	(765)
C611	1-136-164-00	FILM	0.082uF	5%	50V	(765)

Ref. No.		Part No.	Description	Remark
			< FILTER >	
CF1		1-577-600-11	FILTER, CERAMIC	
CF2		1-577-600-11	FILTER, CERAMIC	
CF3		1-577-600-11	FILTER, CERAMIC	
			< CONNECTOR >	
CN1		4-938-728-01	TERMINAL BOARD (B), ANT	
CN301	*	1-506-996-11	PIN, CONNECTOR (PC BOARD) 14P	
CN302	*	1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P	
CN303	*	1-566-214-11	PIN, CONNECTOR (PC BOARD) 2P	
CN304	*	1-566-824-11	PIN, CONNECTOR (PC BOARD) 3P	
CN305	*	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P	
CN306	*	1-566-779-11	PIN, CONNECTOR (PC BOARD) 4P	
CN307		1-569-748-11	PIN, CONNECTOR (PC BOARD) 5P	
CN308	*	1-565-302-11	PIN, CONNECTOR (PC BOARD) 6P	
CN309	*	1-565-302-11	PIN, CONNECTOR (PC BOARD) 6P	
CN310	*	1-560-456-00	PIN, CONNECTOR 2P	
CN313		1-569-778-11	PLUG, CONNECTOR 6P	
CN314	*	1-569-779-11	PLUG, CONNECTOR 7P	
CN315	*	1-569-155-11	PLUG, CONNECTOR 10P	
CN316	*	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P	
CN317	*	1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P	
			< ENCAPSULATED COMPONENT >	
CP1		1-236-571-11	ENCAPSULATED COMPONENT	
			< TRIMMER >	
CT1		1-141-410-11	CAP, ADJ 10PF	
CT3		1-141-411-11	CAP, ADJ 20PF	
			< DIODE >	
D1		8-719-911-19	DIODE 1SS119	
D2		8-719-911-19	DIODE 1SS119	
D3		8-719-980-65	DIODE SVC203RA-V	
D4		8-719-980-65	DIODE SVC203RA-V	
D5		8-719-980-73	DIODE SVC342LM-V	
D6		8-719-911-19	DIODE 1SS119	
D7		8-719-911-19	DIODE 1SS119	
D8		8-719-109-97	DIODE RD6.8ES	
D301		8-719-911-19	DIODE 1SS119	
D305		8-719-911-19	DIODE 1SS119	
D306		8-719-911-19	DIODE 1SS119	
D307		8-719-911-19	DIODE 1SS119	
D308		8-719-911-19	DIODE 1SS119	
D310		8-719-911-19	DIODE 1SS119	
D311		8-719-911-19	DIODE 1SS119	
D320		8-719-911-19	DIODE 1SS119	

MAIN

Ref. No.	Part No.	Description	Remark
D321	8-719-911-19	DIODE 1SS119	
D322	8-719-911-19	DIODE 1SS119	
D323	8-719-110-46	DIODE RD16ES	
D324	8-719-109-72	DIODE RD3.9ES-B2	
D325	8-719-911-19	DIODE 1SS119	
D326	8-719-911-19	DIODE 1SS119	
D327	8-719-911-19	DIODE 1SS119	
D328	8-719-110-09	DIODE RD8.2ES	
D330	8-719-109-60	DIODE RD2.7ES-B2	
D331	8-719-911-19	DIODE 1SS119	
D601	8-719-911-19	DIODE 1SS119 (765)	
		< FILTER >	
FL1	1-236-022-11	FILTER, BAND PASS	
		< IC >	
IC1	8-752-050-20	IC CXA1238S	
IC301	8-759-242-58	IC TA8189N	
IC302	8-759-501-93	IC BA5412	
IC303	8-759-945-58	IC RC4558P	
IC304	8-759-995-62	IC BA3922	
IC305	8-759-510-31	IC MB88201-1022L (765)	
IC306	8-759-995-76	IC PST529C (765)	
IC307	8-749-921-24	IC GP1U52YB (765)	
IC308	8-759-505-55	IC NJM4558L	
		< JACK >	
J301	1-507-806-00	JACK 1P	
J302	1-563-330-11	JACK	
J303	1-536-705-00	TERMINAL BOARD (SP)	
		< COIL >	
L1	1-426-506-11	COIL (RF)	
L2	1-406-386-11	COIL (OSC)	
L3	1-406-387-11	COIL (OSC)	
L4	1-402-502-11	ANTENNA, FERRITE-ROD (MW)	
L101	1-410-776-11	INDUCTOR 12mH	
L201	1-410-776-11	INDUCTOR 12mH	
L301	1-410-336-11	INDUCTOR 220uH	
L302	1-410-686-11	INDUCTOR 1mH	
L303	1-410-521-11	INDUCTOR 100uH	
L304	1-410-509-11	INDUCTOR 10uH	
L305	1-410-521-11	INDUCTOR 100uH	
L601	1-410-521-11	INDUCTOR 100uH (765)	
L602	1-410-521-11	INDUCTOR 100uH (765)	
L603	1-410-521-11	INDUCTOR 100uH (765)	
L604	1-410-521-11	INDUCTOR 100uH (765)	
L605	1-410-521-11	INDUCTOR 100uH (765)	
L606	1-410-336-11	INDUCTOR 220uH (765)	

Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q1	8-729-806-30	TRANSISTOR 2SC4048	
Q2	8-729-806-30	TRANSISTOR 2SC4048	
Q3	8-729-905-50	TRANSISTOR DTC343TS	
Q4	8-729-905-50	TRANSISTOR DTC343TS	
Q5	8-729-806-30	TRANSISTOR 2SC4048	
Q6	8-729-672-42	TRANSISTOR 2SC2724-C	
Q7	8-729-178-62	TRANSISTOR 2SC2786-L	
Q8	8-729-178-63	TRANSISTOR 2SC2786-K	
Q9	8-729-806-30	TRANSISTOR 2SC4048	
Q101	8-729-806-30	TRANSISTOR 2SC4048	
Q102	8-729-806-30	TRANSISTOR 2SC4048 (765)	
Q110	8-729-925-16	TRANSISTOR 2SC1740SLN-RS	
Q130	8-729-806-30	TRANSISTOR 2SC4048	
Q201	8-729-806-30	TRANSISTOR 2SC4048	
Q202	8-729-806-30	TRANSISTOR 2SC4048 (765)	
Q210	8-729-925-16	TRANSISTOR 2SC1740SLN-RS	
Q230	8-729-806-30	TRANSISTOR 2SC4048	
Q302	8-729-902-80	TRANSISTOR DTA114YS	
Q310	8-729-925-16	TRANSISTOR 2SC1740SLN-RS	
Q311	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q312	8-729-806-30	TRANSISTOR 2SC4048	
Q320	8-729-100-13	TRANSISTOR 2SC2001-K2	
Q321	8-729-806-30	TRANSISTOR 2SC4048	
Q330	8-729-900-80	TRANSISTOR DTC114ES	
Q332	8-729-806-30	TRANSISTOR 2SC4048	
Q333	8-729-902-80	TRANSISTOR DTA114YS	
Q334	8-729-806-30	TRANSISTOR 2SC4048	
Q335	8-729-115-30	TRANSISTOR 2SK105A-30	
Q336	1-807-868-11	TRANSISTOR KSR1006	
Q336	8-729-806-30	TRANSISTOR 2SC4048	
Q337	8-729-900-89	TRANSISTOR DTC144ES	
Q338	8-729-115-30	TRANSISTOR 2SK105A-30	
Q339	8-729-806-30	TRANSISTOR 2SC4048	
Q340	8-729-806-30	TRANSISTOR 2SC4048	
Q350	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q351	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q352	8-729-904-34	TRANSISTOR DTA114TS	
Q354	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q355	8-729-905-67	TRANSISTOR 2SD1944-K	
Q356	8-729-806-30	TRANSISTOR 2SC4048 (765)	
Q360	8-729-924-90	TRANSISTOR 2SB1370-EF	
Q370	8-729-902-80	TRANSISTOR DTA114YS	
		< RESISTOR >	
R1	1-249-441-11	CARBON 100K 5% 1/4W	
R2	1-249-441-11	CARBON 100K 5% 1/4W	
R3	1-249-431-11	CARBON 15K 5% 1/4W	

MAIN

Ref. No.	Part No.	Description				Remark
R4	1-249-441-11	CARBON	100K	5%	1/4W	
R5	1-249-437-11	CARBON	47K	5%	1/4W	
R6	1-249-437-11	CARBON	47K	5%	1/4W	
R7	1-249-421-11	CARBON	2.2K	5%	1/4W	
R8	1-249-411-11	CARBON	330	5%	1/4W	
R9	1-249-405-11	CARBON	100	5%	1/4W	
R10	1-249-429-11	CARBON	10K	5%	1/4W	
R11	1-249-418-11	CARBON	1.2K	5%	1/4W	
R12	1-249-428-11	CARBON	8.2K	5%	1/4W	
R13	1-249-428-11	CARBON	8.2K	5%	1/4W	
R14	1-249-418-11	CARBON	1.2K	5%	1/4W	
R15	1-249-421-11	CARBON	2.2K	5%	1/4W	
R16	1-247-887-00	CARBON	220K	5%	1/4W	
R17	1-247-887-00	CARBON	220K	5%	1/4W	
R18	1-249-429-11	CARBON	10K	5%	1/4W	
R19	1-249-405-11	CARBON	100	5%	1/4W	
R21	1-249-439-11	CARBON	68K	5%	1/4W	
R22	1-249-415-11	CARBON	680	5%	1/4W	
R23	1-249-417-11	CARBON	1K	5%	1/4W	
R24	1-249-411-11	CARBON	330	5%	1/4W	
R25	1-249-439-11	CARBON	68K	5%	1/4W	
R27	1-249-417-11	CARBON	1K	5%	1/4W	
R28	1-249-439-11	CARBON	68K	5%	1/4W	
R29	1-249-407-11	CARBON	150	5%	1/4W	
R30	1-249-397-11	CARBON	22	5%	1/4W	
R31	1-249-405-11	CARBON	100	5%	1/4W	
R32	1-249-422-11	CARBON	2.7K	5%	1/4W	
R33	1-249-429-11	CARBON	10K	5%	1/4W	
R40	1-249-405-11	CARBON	100	5%	1/4W	
R41	1-249-423-11	CARBON	3.3K	5%	1/4W	
R101	1-249-417-11	CARBON	1K	5%	1/4W	
R102	1-249-417-11	CARBON	1K	5%	1/4W	
R103	1-247-885-00	CARBON	180K	5%	1/4W	
R104	1-249-405-11	CARBON	100	5%	1/4W	
R105	1-249-423-11	CARBON	3.3K	5%	1/4W	
R106	1-249-427-11	CARBON	6.8K	5%	1/4W	
R107	1-249-418-11	CARBON	1.2K	5%	1/4W	
R108	1-249-441-11	CARBON	100K	5%	1/4W	
R109	1-249-397-11	CARBON	22	5%	1/4W(765)	
R110	1-249-426-11	CARBON	5.6K	5%	1/4W	
R120	1-249-437-11	CARBON	47K	5%	1/4W	
R121	1-249-421-11	CARBON	2.2K	5%	1/4W	
R122	1-249-421-11	CARBON	2.2K	5%	1/4W	
R123	1-247-890-11	CARBON	300K	5%	1/4W	
R124	1-249-407-11	CARBON	150	5%	1/4W	
R125	1-247-885-00	CARBON	180K	5%	1/4W	
R126	1-249-433-11	CARBON	22K	5%	1/4W	
R130	1-247-897-11	CARBON	560K	5%	1/4W	
R131	1-249-421-11	CARBON	2.2K	5%	1/4W	
R140	1-249-438-11	CARBON	56K	5%	1/4W	
R141	1-249-432-11	CARBON	18K	5%	1/4W	
R142	1-249-427-11	CARBON	6.8K	5%	1/4W	
R143	1-247-854-11	CARBON	9.1K	5%	1/4W	
R144	1-249-428-11	CARBON	8.2K	5%	1/4W	
R151	1-249-438-11	CARBON	56K	5%	1/4W	
R152	1-249-434-11	CARBON	27K	5%	1/4W	
R153	1-249-429-11	CARBON	10K	5%	1/4W	
R154	1-249-425-11	CARBON	4.7K	5%	1/4W	
R155	1-249-429-11	CARBON	10K	5%	1/4W	
R156	1-249-427-11	CARBON	6.8K	5%	1/4W	
R157	1-249-431-11	CARBON	15K	5%	1/4W	
R158	1-249-429-11	CARBON	10K	5%	1/4W	
R159	1-249-409-11	CARBON	220	5%	1/4W	
R172	1-247-858-11	CARBON	13K	5%	1/4W	
R174	1-249-441-11	CARBON	100K	5%	1/4W	
R175	1-249-437-11	CARBON	47K	5%	1/4W	
R177	1-249-421-11	CARBON	2.2K	5%	1/4W	
R180	1-249-429-11	CARBON	10K	5%	1/4W	
R181	1-249-429-11	CARBON	10K	5%	1/4W	
R182	1-249-415-11	CARBON	680	5%	1/4W	
R184	1-249-406-11	CARBON	120	5%	1/4W	
R185	1-249-421-11	CARBON	2.2K	5%	1/4W	
R186	1-249-417-11	CARBON	1K	5%	1/4W	
R187	1-247-866-11	CARBON	30K	5%	1/4W	
R201	1-249-417-11	CARBON	1K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	
R203	1-247-885-00	CARBON	180K	5%	1/4W	
R204	1-249-405-11	CARBON	100	5%	1/4W	
R205	1-249-423-11	CARBON	3.3K	5%	1/4W	
R206	1-249-427-11	CARBON	6.8K	5%	1/4W	
R207	1-249-418-11	CARBON	1.2K	5%	1/4W	
R208	1-249-441-11	CARBON	100K	5%	1/4W	
R209	1-249-397-11	CARBON	22	5%	1/4W(765)	
R210	1-249-426-11	CARBON	5.6K	5%	1/4W	
R220	1-249-437-11	CARBON	47K	5%	1/4W	
R221	1-249-421-11	CARBON	2.2K	5%	1/4W	
R222	1-249-421-11	CARBON	2.2K	5%	1/4W	
R223	1-247-890-11	CARBON	300K	5%	1/4W	
R224	1-249-407-11	CARBON	150	5%	1/4W	
R225	1-247-885-00	CARBON	180K	5%	1/4W	
R226	1-249-433-11	CARBON	22K	5%	1/4W	
R230	1-247-897-11	CARBON	560K	5%	1/4W	
R231	1-249-421-11	CARBON	2.2K	5%	1/4W	
R240	1-249-438-11	CARBON	56K	5%	1/4W	
R241	1-249-432-11	CARBON	18K	5%	1/4W	
R242	1-249-427-11	CARBON	6.8K	5%	1/4W	
R243	1-247-854-11	CARBON	9.1K	5%	1/4W	
R244	1-249-428-11	CARBON	8.2K	5%	1/4W	

MAIN

Ref. No.	Part No.	Description				Remark
R251	1-249-438-11	CARBON	56K	5%	1/4W	
R252	1-249-434-11	CARBON	27K	5%	1/4W	
R253	1-249-429-11	CARBON	10K	5%	1/4W	
R254	1-249-425-11	CARBON	4.7K	5%	1/4W	
R255	1-249-429-11	CARBON	10K	5%	1/4W	
R256	1-249-427-11	CARBON	6.8K	5%	1/4W	
R257	1-249-431-11	CARBON	15K	5%	1/4W	
R258	1-249-429-11	CARBON	10K	5%	1/4W	
R259	1-249-409-11	CARBON	220	5%	1/4W	
R272	1-247-858-11	CARBON	13K	5%	1/4W	
R274	1-249-441-11	CARBON	100K	5%	1/4W	
R275	1-249-437-11	CARBON	47K	5%	1/4W	
R277	1-249-421-11	CARBON	2.2K	5%	1/4W	
R280	1-249-429-11	CARBON	10K	5%	1/4W	
R281	1-249-429-11	CARBON	10K	5%	1/4W	
R282	1-249-415-11	CARBON	680	5%	1/4W	
R284	1-249-406-11	CARBON	120	5%	1/4W	
R285	1-249-421-11	CARBON	2.2K	5%	1/4W	
R286	1-249-417-11	CARBON	1K	5%	1/4W	
R287	1-247-866-11	CARBON	30K	5%	1/4W	
R301	1-249-423-11	CARBON	3.3K	5%	1/4W	
R302	⚠ 1-247-697-11	CARBON	56	5%	1/4W	
R304	1-249-401-11	CARBON	47	5%	1/4W	
R305	1-249-429-11	CARBON	10K	5%	1/4W	
R306	1-249-393-11	CARBON	10	5%	1/4W	
R310	1-249-429-11	CARBON	10K	5%	1/4W	
R311	1-249-421-11	CARBON	2.2K	5%	1/4W	
R312	1-249-432-11	CARBON	18K	5%	1/4W	
R313	1-249-429-11	CARBON	10K	5%	1/4W	
R314	1-249-429-11	CARBON	10K	5%	1/4W	
R316	1-249-429-11	CARBON	10K	5%	1/4W	
R317	1-249-407-11	CARBON	150	5%	1/4W	
R320	1-249-441-11	CARBON	100K	5%	1/4W	
R322	1-247-903-00	CARBON	1M	5%	1/4W	
R323	1-249-441-11	CARBON	100K	5%	1/4W	
R324	1-247-903-00	CARBON	1M	5%	1/4W	
R330	1-249-417-11	CARBON	1K	5%	1/4W	
R331	1-247-899-11	CARBON	680K	5%	1/4W	
R332	1-249-422-11	CARBON	2.7K	5%	1/4W	
R333	1-249-403-11	CARBON	68	5%	1/4W	
R334	1-249-421-11	CARBON	2.2K	5%	1/4W	
R335	1-249-417-11	CARBON	1K	5%	1/4W	
R341	1-249-409-11	CARBON	220	5%	1/4W	
R342	1-249-427-11	CARBON	6.8K	5%	1/4W	
R343	1-249-429-11	CARBON	10K	5%	1/4W	
R344	1-249-429-11	CARBON	10K	5%	1/4W	
R351	1-249-414-11	CARBON	560	5%	1/4W	
R352	1-249-437-11	CARBON	47K	5%	1/4W	
R353	1-249-417-11	CARBON	1K	5%	1/4W	
R354	1-249-429-11	CARBON	10K	5%	1/4W	
R357	1-249-437-11	CARBON	47K	5%	1/4W	
R358	1-249-429-11	CARBON	10K	5%	1/4W	
R359	1-249-417-11	CARBON	1K	5%	1/4W	
R360	1-249-405-11	CARBON	100	5%	1/4W	
R370	1-249-437-11	CARBON	47K	5%	1/4W	
R380	1-249-417-11	CARBON	1K	5%	1/4W	
R381	1-249-433-11	CARBON	22K	5%	1/4W	
R382	1-249-411-11	CARBON	330	5%	1/4W	
R386	1-249-417-11	CARBON	1K	5%	1/4W	
R387	⚠ 1-212-946-00	FUSIBLE	3.3	5%	1/2W	F
R388	1-249-406-11	CARBON	120	5%	1/4W	
R389	1-249-405-11	CARBON	100	5%	1/4W	
R390	1-249-417-11	CARBON	1K	5%	1/4W	
R391	1-249-421-11	CARBON	2.2K	5%	1/4W	
R392	1-249-429-11	CARBON	10K	5%	1/4W	
R393	1-249-417-11	CARBON	1K	5%	1/4W	
R394	1-249-437-11	CARBON	47K	5%	1/4W	
R395	1-249-420-11	CARBON	1.8K	5%	1/4W	
R396	1-249-420-11	CARBON	1.8K	5%	1/4W	
R601	1-247-903-00	CARBON	1M	5%	1/4W	(765)
R602	1-249-426-11	CARBON	5.6K	5%	1/4W	(765)
R604	1-249-429-11	CARBON	10K	5%	1/4W	(765)
R605	1-247-891-00	CARBON	330K	5%	1/4W	(765)
R606	1-249-429-11	CARBON	10K	5%	1/4W	(765)

< VARIABLE RESISTOR >

RV1	1-238-601-11	RES, ADJ, CARBON 22K (VCO)
RV301	1-241-037-21	RES, ADJ, CARBON 2.2K (HIGH SPEED)
RV302	1-241-037-21	RES, ADJ, CARBON 2.2K (NORMAL SPEED)
RV303	1-241-037-21	RES, ADJ, CARBON 2.2K (HIGH SPEED)
RV304	1-241-037-21	RES, ADJ, CARBON 2.2K (NORMAL SPEED)
RV305	1-241-138-11	RES, VAR, CARBON 50K/50K (VOLUME)
RV306	1-241-137-11	RES, VAR, CARBON 100K/100K (100Hz)
RV307	1-241-137-11	RES, VAR, CARBON 100K/100K (1KHz)
RV308	1-241-137-11	RES, VAR, CARBON 100K/100K (10KHz)

< SWITCH >

S1	1-572-623-11	SWITCH, SLIDE (FM SENS)
S301	1-571-876-21	SWITCH, SLIDE (REC/PB)
S302	1-571-080-11	SWITCH, LEVER SLIDE (FUNCTION)
S303	1-571-552-11	SWITCH, SLIDE (ISS)
S304	1-572-620-11	SWITCH, PUSH (1 KEY) (SPACE SOUND)
S305	1-572-620-11	SWITCH, PUSH (1 KEY) (POWER)

< TRANSFORMER >

T301	1-433-372-11	TRANSFORMER, BIAS OSCILLATION
T302	1-450-126-11	TRANSFORMER, DC-DC CONVERTER

Note:
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Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN | MD | MD LEAF SW (A) | MD LEAF SW (B) | POWER | SP TERMINAL (L) | SP TERMINAL (R) | TU CONTROL

Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
X301	1-578-787-21	VIBRATOR, CERAMIC (500KHz) (765)	
**********			
*	1-630-400-21	MD BOARD (765:DECK B)	
		**********	
		< CONNECTOR >	
CN601	* 1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P (765:DECK B)	
CN602	* 1-566-002-11	PIN, CONNECTOR (PC BOARD) 5P (765:DECK B)	
		< SWITCH >	
S601	1-571-330-21	SWITCH, LEAF (POWER) (765:DECK B)	
S602	1-571-331-21	SWITCH, LEAF (PLAY) (765:DECK B)	
S603	1-572-616-11	SWITCH, PUSH (1 KEY) (FF, REW) (765:DECK B)	
**********			
*	1-635-711-11	MD LEAF SW (A) BOARD (DECK A)	
		**********	
		< CONNECTOR >	
CN501A	* 1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P (DECK A)	
		< SWITCH >	
S501A	1-571-890-11	SWITCH, LEAF (HI-SPEED) (DECK A)	
S502A	1-571-890-11	SWITCH, LEAF (PLAY) (DECK A)	
S503A	1-571-330-21	SWITCH, LEAF (POWER) (DECK A)	
**********			
*	1-635-712-12	MD LEAF SW (B) BOARD (755:DECK B)	
		**********	
		< CONNECTOR >	
CN502A	* 1-566-001-11	PIN, CONNECTOR (PC BOARD) 4P (755:DECK B)	
		< SWITCH >	
S504A	1-571-890-11	SWITCH, LEAF (PLAY) (755:DECK B)	
S505A	1-571-330-21	SWITCH, LEAF (POWER) (755:DECK B)	
**********			
*	1-635-272-11	POWER BOARD	
		**********	
	1-533-233-11	HOLDER, FUSE	
*	1-535-303-00	WIRE, JUMPER	

Ref. No.	Part No.	Description	Remark
		< CAPACITOR >	
C902	1-101-004-00	CERAMIC 0.01uF	50V
C903	1-101-004-00	CERAMIC 0.01uF	50V
C904	1-101-004-00	CERAMIC 0.01uF	50V
C905	1-101-004-00	CERAMIC 0.01uF	50V
C906	1-101-004-00	CERAMIC 0.01uF	50V
		< CONNECTOR >	
CN901	* 1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P	
CN902	1-569-614-11	PLUG, CONNECTOR (2.5MM) 2P	
CN903	* 1-564-778-11	PLUG, CONNECTOR (2.5MM) 4P	
		< DIODE >	
D901	8-719-902-17	DIODE U15G	
D902	8-719-902-17	DIODE U15G	
D903	8-719-902-17	DIODE U15G	
D904	8-719-902-17	DIODE U15G	
		< FUSE >	
F901	⚠ 1-576-029-11	FUSE GLASS TUBE (4A 125V)	
		< JACK >	
J901	⚠ 1-526-818-11	INLET, AC (AC IN)	
		< LINE FILTER >	
LF901	⚠ 1-424-150-11	TRANSFORMER, LINE FILTER	
**********			
*	1-635-274-11	SP TERMINAL (L) BOARD	
		**********	
		< CAPACITOR >	
C952	1-124-327-00	ELECT 15uF 20%	50V
**********			
*	1-635-273-11	SP TERMINAL (R) BOARD	
		**********	
		< CAPACITOR >	
C951	1-124-327-00	ELECT 15uF 20%	50V
**********			
*	A-3275-054-A	TU CONTROL BOARD, COMPLETE (755)	
*	A-3275-057-A	TU CONTROL BOARD, COMPLETE (765)	
		**********	

Note:
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Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

TU CONTROL

Ref. No.	Part No.	Description			Remark
	1-519-676-11	ELEMENT, EL LUMINOUS			
*	1-535-303-00	WIRE, JUMPER			
		< CAPACITOR >			
C501	1-162-294-31	CERAMIC	0.001uF	10%	50V
C502	1-162-294-31	CERAMIC	0.001uF	10%	50V
C503	1-162-294-31	CERAMIC	0.001uF	10%	50V
C504	1-162-294-31	CERAMIC	0.001uF	10%	50V
C505	1-162-294-31	CERAMIC	0.001uF	10%	50V
C506	1-162-282-31	CERAMIC	100PF	10%	50V
C507	1-161-379-00	CERAMIC	0.01uF	20%	25V
C508	1-162-851-11	CERAMIC	0.1uF		16V
C509	1-161-379-00	CERAMIC	0.01uF	20%	25V
C510	1-162-851-11	CERAMIC	0.1uF		16V
C511	1-161-379-00	CERAMIC	0.01uF	20%	25V
C512	1-161-379-00	CERAMIC	0.01uF	20%	25V
C513	1-126-177-11	ELECT	100uF	20%	10V
C514	1-162-294-31	CERAMIC	0.001uF	10%	50V
C515	1-162-294-31	CERAMIC	0.001uF	10%	50V
C516	1-161-379-00	CERAMIC	0.01uF	20%	25V
C517	1-136-175-00	FILM	0.68uF	5%	50V
C518	1-161-060-00	CERAMIC	0.056uF	10%	25V
C519	1-126-154-11	ELECT	47uF	20%	6.3V
C520	1-164-032-11	CERAMIC	36PF	5%	50V
C521	1-162-203-31	CERAMIC	15PF	5%	50V
C523	1-162-851-11	CERAMIC	0.1uF		16V
C527	1-162-847-11	CERAMIC	0.047uF		16V
		< CONNECTOR >			
CN502	1-569-768-11	SOCKET, CONNECTOR 7P			
CN503 *	1-569-156-11	SOCKET, CONNECTOR 10P			
		< DIODE >			
D351	8-719-948-75	DIODE	SLR-34VR70F165 (765)		
D352	8-719-948-75	DIODE	SLR-34VR70F165		
D501	8-719-911-19	DIODE	1SS119 (765)		
D502	8-719-911-19	DIODE	1SS119 (765)		
D503	8-719-911-19	DIODE	1SS119 (765)		
D504	8-719-911-19	DIODE	1SS119 (765)		
D509	8-719-911-19	DIODE	1SS119		
D510	8-719-911-19	DIODE	1SS119		
D511	8-719-911-19	DIODE	1SS119		
D512	8-719-911-19	DIODE	1SS119		
D514	8-719-911-19	DIODE	1SS119		
D516	8-719-911-19	DIODE	1SS119		
D517	8-719-911-19	DIODE	1SS119		
D518	8-719-987-05	DIODE	SLR-34GM70F-150		
D519	8-719-987-04	DIODE	SLR-34VR70F-150		

Ref. No.	Part No.	Description			Remark
		< IC >			
IC501	8-759-151-26	IC	uPD1724GB-524-1A7		
		< COIL >			
L501	1-410-521-11	INDUCTOR	100uH		
		< LCD >			
ND501	1-809-027-11	DISPLAY PANEL, LIQUID CRYSTAL			
		< TRANSISTOR >			
Q501	8-729-904-34	TRANSISTOR	DTA114TS (765)		
Q502	1-807-806-30	TRANSISTOR	2SC4048 (765)		
Q503	8-729-178-62	TRANSISTOR	2SC2786-L		
Q504	1-807-806-30	TRANSISTOR	2SC4048		
Q505	8-729-119-32	TRANSISTOR	2SK193-E		
Q506	8-729-106-07	TRANSISTOR	2SK514-H		
Q507	8-729-205-83	TRANSISTOR	2SC2458L-GR		
Q533	1-807-806-30	TRANSISTOR	2SC4048 (765)		
		< RESISTOR >			
R383	1-249-409-11	CARBON	220	5%	1/4W (765)
R384	1-249-409-11	CARBON	220	5%	1/4W
R385	1-249-417-11	CARBON	1K	5%	1/4W (765)
R501	1-249-425-11	CARBON	4.7K	5%	1/4W (765)
R502	1-249-425-11	CARBON	4.7K	5%	1/4W (765)
R503	1-249-425-11	CARBON	4.7K	5%	1/4W (765)
R504	1-249-425-11	CARBON	4.7K	5%	1/4W (765)
R505	1-249-425-11	CARBON	4.7K	5%	1/4W (765)
R506	1-249-441-11	CARBON	100K	5%	1/4W (765)
R507	1-249-437-11	CARBON	47K	5%	1/4W (765)
R508	1-249-421-11	CARBON	2.2K	5%	1/4W
R509	1-249-433-11	CARBON	22K	5%	1/4W
R510	1-249-411-11	CARBON	330	5%	1/4W
R511	1-249-437-11	CARBON	47K	5%	1/4W
R512	1-249-417-11	CARBON	1K	5%	1/4W
R513	1-249-429-11	CARBON	10K	5%	1/4W
R514	1-249-433-11	CARBON	22K	5%	1/4W
R515	1-249-431-11	CARBON	15K	5%	1/4W
R516	1-249-417-11	CARBON	1K	5%	1/4W
R517	1-249-421-11	CARBON	2.2K	5%	1/4W
R518	1-249-422-11	CARBON	2.7K	5%	1/4W
R519	1-249-429-11	CARBON	10K	5%	1/4W
R520	1-249-429-11	CARBON	10K	5%	1/4W
R521	1-249-435-11	CARBON	33K	5%	1/4W
R522	1-249-433-11	CARBON	22K	5%	1/4W
R523	1-249-429-11	CARBON	10K	5%	1/4W

TU CONTROL

Ref. No.	Part No.	Description			Remark
R524	1-249-441-11	CARBON	100K	5% 1/4W	
R525	1-249-407-11	CARBON	150	5% 1/4W	
R527	1-249-409-11	CARBON	220	5% 1/4W	
		< SWITCH >			
S501	1-553-856-00	SWITCH, KEY BOARD (0)			
S502	1-553-856-00	SWITCH, KEY BOARD (1)			
S503	1-553-856-00	SWITCH, KEY BOARD (2)			
S504	1-553-856-00	SWITCH, KEY BOARD (3)			
S505	1-553-856-00	SWITCH, KEY BOARD (4)			
S506	1-553-856-00	SWITCH, KEY BOARD (5)			
S507	1-553-856-00	SWITCH, KEY BOARD (6)			
S508	1-553-856-00	SWITCH, KEY BOARD (7)			
S509	1-553-856-00	SWITCH, KEY BOARD (MEMORY)			
S510	1-553-856-00	SWITCH, KEY BOARD (8)			
S511	1-553-856-00	SWITCH, KEY BOARD (9)			
S512	1-553-856-00	SWITCH, KEY BOARD (+10)			
S513	1-553-856-00	SWITCH, KEY BOARD (+)			
S514	1-553-856-00	SWITCH, KEY BOARD (-)			
S515	1-553-856-00	SWITCH, KEY BOARD (BAND)			
		< VIBRATOR, CERAMIC >			
X501	1-577-556-11	VIBRATOR, CRYSTAL (75KHz)			
		**********			
		MISCELLANEOUS			
		**********			
62	1-452-531-11	MAGNET			
202	⚠ 8-848-137-11	DEVICE OPTICAL KSS-210B			
351	* 1-635-712-11	MD LEAF SW (A) BOARD (DECK A)			
429	* 1-630-400-12	MD BOARD (765:DECK B)			
ANT1	1-501-352-11	ANTENNA, TELESCOPIC			
HE301	1-543-535-11	HEAD, MAGNETIC (ERASE) (755:DECK B)			
HE301	A-3114-095-A	HEAD ASSY, ROTARY (765:DECK B)			
HP301	1-543-714-11	HEAD, MAGNETIC (PB) (DECK A)			
HRP301	1-543-714-11	HEAD, MAGNETIC (REC/PB) (755:DECK B)			
HRP301	A-3114-095-A	HEAD ASSY, ROTARY (765:DECK B)			
M601	1-541-753-11	MOTOR, DC (EG-530KD-2B) (755:DECK B)			
M601	1-541-754-11	MOTOR, DC (EG-530KD-2F) (765:DECK B)			
M602	1-541-753-11	MOTOR, DC (EG-530KD-2B) (DECK A)			
M702	X-2625-132-1	GEAR ASSY (MB) MOTOR			
S604	1-572-394-11	SWITCH, LEAF (765)			
SP1-1	1-503-867-21	SPEAKER			
SP1-2	1-544-345-11	SPEAKER			
SP2-1	1-503-867-21	SPEAKER			
SP2-2	1-544-345-11	SPEAKER			
T901	⚠ 1-450-466-11	TRANSFORMER, POWER			

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-465-510-11	COMMANDER, REMOTE (RMT-C760)	
	⚠ 1-557-287-11	CORD, POWER	
	2-181-754-01	COVER BATTERY (for RMT-C760) (765)	
	* 3-368-283-01	CUSHION (LOWER)	
	* 3-368-284-01	CUSHION (INNER)	
	* 3-368-285-01	CUSHION (UPPER)	
	* 3-369-791-01	INDIVIDUAL CARTON (755)	
	* 3-369-777-01	INDIVIDUAL CARTON (765)	
	3-753-216-21	MANUAL, INSTRUCTION (ENGLISH) (US, Canadian)	
	3-753-216-32	MANUAL, INSTRUCTION (ENGLISH, FRENCH) (Canadian)	
	3-753-216-51	MANUAL, INSTRUCTION (SPANISH) (E)	
		**********	
		HARDWARE LIST	
		**********	
#1	7-621-773-86	SCREW +P 2.6X4 (765)	
#2	7-627-553-47	PRECISION SCREW +P 2X4 TYPE 3	
#4	7-621-775-20	SCREW +B 2.6X5	
#5	7-685-132-19	SCREW +P 2.6X5 TYPE2 NON-SLIT	
#6	7-685-646-79	SCREW, TAPPING +BV 3X8	
#7	7-685-647-79	SCREW, TAPPING +BV 3X10	
#8	7-685-648-79	SCREW, TAPPING +BV 3X12	
#9	7-621-772-00	SCREW +B 2X3	
#10	7-682-547-04	SCREW +P 3X6 (765)	
#11	7-682-548-04	SCREW +B 3X8	
#12	7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT	
#13	7-621-770-67	SCREW +BVTT 2.6X6 (S) (765)	
#14	7-621-255-15	SCREW +P 2X3	

Note:
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Replace only with part number specified.

Note:
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Ne les remplacer que par une pièce portant le numéro spécifié.

MEMO

Printing Method for Large Sized Documents Such As Circuit Diagrams

Printing the page that exceeds A4-size two pages (or letter size) is possible by specifying the print range. (Acrobat Reader Version 4.0 or later)

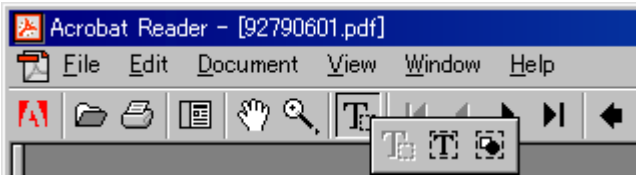
1. The enlarged print is made, if a smaller range than A4 size is specified and the A4 size is selected as a print paper.
2. Almost real sized print is made, if the range is specified, meeting the print paper size.
3. The reduced print is made, if a larger range than the print paper size is specified.

PRINTING BY SPECIFYING A RANGE

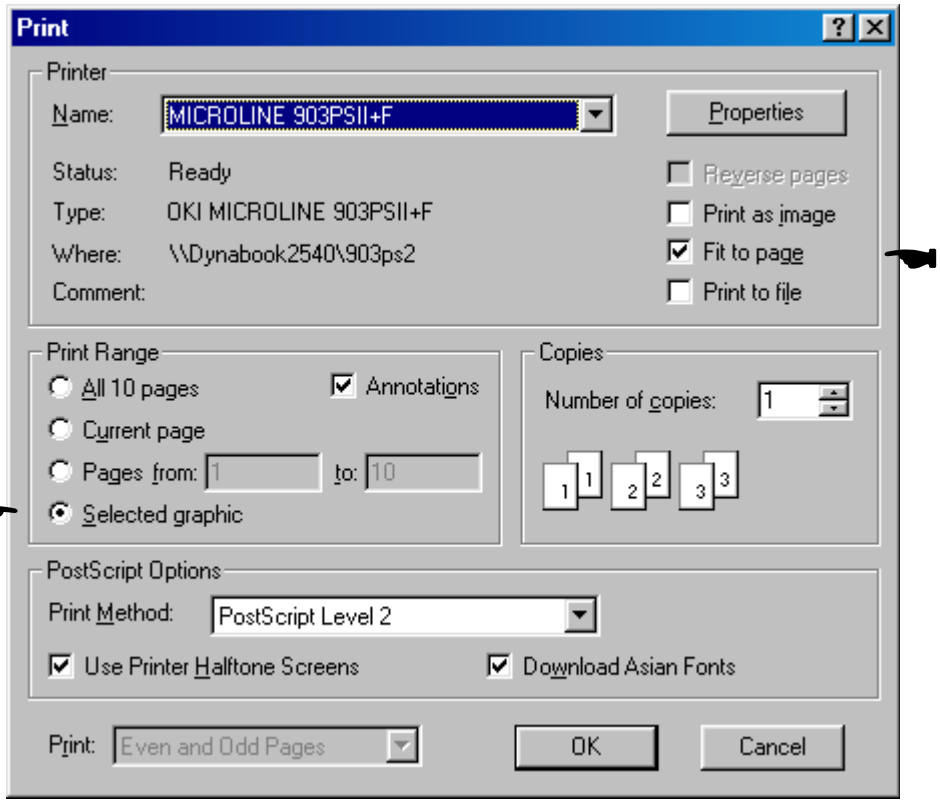
In printing out the drawings such as a schematic diagram and a printed wiring board larger than the printed paper size, they can be printed by specifying the range. (Acrobat Reader Version 4.0 or later)

1. Display the page to be printed.
2. From the File menu, select [Page Setup] and set the paper size.
3. From the Command bar, select [Graphic Select Tool].

   (Keep pressing , select)



4. Dragging the cursor, enclose the range on the page to be printed.
5. From the File menu, select [Print] and make sure that the [Selected Graphic] is already checked. Also, if [Fit to page] is checked, the selected range is enlarged or reduced (and rotated as necessary) meeting the paper size.



6. To cancel the printed range, click an arbitrary position on the screen.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	1992.01	New
1.1	2002.03	Correction of exploded views (Ref. No. 313 deleted. Ref. No. 314 part No. changed) . (SPM-02013)